

Dacomitinib

Resolution of: 17 October 2019 Valid until: unlimited

Entry into force on: 17 October 2019 Federal Gazette, BAnz AT 12 12 2019 B3

Therapeutic indication (according to the marketing authorisation of 2 April 2019):

Vizimpro, as monotherapy, is indicated for the first-line treatment of adult patients with locally advanced or metastatic non-small cell lung cancer (NSCLC) with epidermal growth factor receptor (EGFR)-activating mutations.

1. Additional benefit of the medicinal product in relation to the appropriate comparator therapy

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with the activating EGFR mutations L858R¹ or del 19²:

Appropriate comparator therapy:

Afatinib or gefitinib or erlotinib or osimertinib

Extent and probability of the additional benefit of dacomitinib compared with gefitinib:

An additional benefit is not proven.

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with activating EGFR mutations other than L858R or del 19:

Appropriate comparator therapy:

A patient-individual therapy depending on the activating EGFR mutation with selection of:

- Afatinib, gefitinib, erlotinib, osimertinib
- Cisplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)
- Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed; cf Annex VI to Section K of the Pharmaceuticals Directive)
- Carboplatin in combination with nab-paclitaxel

and

Monotherapy with gemcitabine or vinorelbine (only for patients with ECOG performance status 2 as an alternative to platinum-based combination treatment).

¹ Exon 21 substitution mutation

² Exon 19 deletion

Extent and probability of the additional benefit of dacomitinib compared with the appropriate comparator therapy:

An additional benefit is not proven.

Study results according to endpoints:

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with the activating EGFR mutations L858R or del 19:

ARCHER 1050 study: dacomitinib vs gefitinib^{3,4}
<u>Study design</u>: randomised, open, two-armed

Mortality

Endpoint	Dacomitinib			Gefitinib	Dacomitinib vs gefitinib
	N Median time to event in months [95% CI] Patients with event n (%)		N	Median time to event in months [95% CI] Patients with event n (%)	HR [95% CI] p value Absolute difference (AD) ^a
Overall survival					
	227	34.1 [29.5; 37.7] 103 (45.5)	225	26.8 [23.7; 32.1] 117 (52.0)	0.76 [0.58; 0.99] 0.044 7.3 months

Morbidity

Endpoint	Dacomitinib		Gefitinib		Dacomitinib vs gefitinib
	N Median time to event in months [95% CI] Patients with event n (%)		N	Median time to event in months [95% CI] Patients with event n (%)	HR [95% CI] p value Absolute difference (AD) ^a
Progression-fre	e survi	val (PFS) ^b			
	227	14.7 [11.1; 16.6] 136 (59.9)	225	9.2 [9.1; 11.0] 179 (79.6)	0.59 [0.47; 0.74] p < 0.0001 5.5 months
Disease symptoms – time until once confirmed deterioration ^c					

³ Data from the dossier evaluation of the IQWiG (A19-39) unless otherwise indicated.

⁴ data cut-off 17 February 2017

Endpoint	Dacomitinib		Gefitinib		Dacomitinib vs gefitinib
	N	Median time to event in months [95% CI] Patients with event	N	Median time to event in months [95% CI] Patients with event	HR [95% CI] p value Absolute difference (AD) ^a
Symptom scale:	s of the	n (%) EORTC QLQ-C30		n (%)	,
Fatigue		29.0	222	n.a.	1.30
g	226	[15.0; n.c.] 92 (40.7)		[20.8; n.c.] 75 (33.8)	[0.95; 1.76] 0.090
Nausea and vomiting	226	n.a. 50 (22.1)	222	n.a. 35 (15.8)	1.44 [0.93; 2.22] 0.099
Pain	226	33.7 [17.7; n.c.] 87 (38.5)	222	n.a. [24.9; n.c.] 68 (30.6)	1.40 [1.02; 1.93] 0.036
Dyspnoea	226	n.a. 50 (22.1)	222	n.a. 44 (19.8)	1.03 [0.68; 1.55] 0.897
Insomnia	226	n.a. 51 (22.6)	222	n.a. 46 (20.7)	1.09 [0.73; 1.63] 0.662
Loss of appetite	226	n.a. [17.7; n.c.] 87 (38.5)	222	n.a. 60 (27.0)	1.61 [1.16; 2.24] 0.004
Constipation	226	n.a. [39.4; n.c.] 35 (15.5)	222	n.a. 38 (17.1)	0.82 [0.51; 1.30] 0.393
Diarrhoea	226	0.5 [0.3; 0.5] 179 (79.2)	222	40.2 [12.1; 40.2] 93 (41.9)	3.45 [2.65; 4.49] < 0.001 39.7 months
Symptom scale	s of the	EORTC QLQ-LC13	ı		
Dyspnoea	226	40.2 [40.2; n.c.] 75 (33.2)	222	n.a. [20.8; n.c.] 74 (33.3)	0.99 [0.72; 1.37] 0.957
Coughing	226	n.a. 30 (13.3)	222	n.a. 33 (14.9)	0.86 [0.52; 1.41] 0.538
Haemoptysis	226	n.a. 13 (5.8)	222	n.a. 16 (7.2)	0.77 [0.37; 1.61] 0.485
Sore mouth	226	0.5 [0.5; 1.0] 155 (68.6)	222	n.a. 73 (32.9)	3.27 [2.45; 4.35] < 0.001

Endpoint	Dacomitinib			Gefitinib	Dacomitinib vs gefitinib
	N	Median time to event in months [95% CI]	N	Median time to event in months [95% CI]	HR [95% CI] p value
		Patients with event n (%)		Patients with event n (%)	Absolute difference (AD) ^a
Dysphagia	226	n.a. 69 (30.5)	222	n.a. 32 (14.4)	2.47 [1.62; 3.77] < 0.001
Peripheral neuropathy	226	6.3 [4.6; 12.3] 120 (53.1)	222	n.a. 56 (25.2)	2.84 [2.06; 3.92] < 0.001
Alopecia	226	5.6 [4.2; 10.4] 115 (50.9)	222	n.a. [31.7; n.c.] 80 (36.0)	1.68 [1.26; 2.24] < 0.001
Chest pains	226	n.a. 33 (14.6)	222	n.a. 38 (17.1)	0.81 [0.51; 1.30] 0.375
Pain in the arm or shoulder	226	n.a. [34.6; n.c.] 45 (19.9)	222	n.a. 46 (20.7)	0.90 [0.59; 1.36] 0.612
Other pains	226	n.a. 70 (31.0)	222	n.a. 45 (20.3)	1.61 [1.11; 2.35] 0.012
Health status					
EQ-5D VAS (tim	e until	once confirmed dete	riorati	on by ≥ 10 points) ^c	
	224	27.2 [9.4; n.c.] 99 (44.2)	221	n.a. [21.5; n.c.] 70 (31.7)	1.58 [1.16; 2.15] 0.003

(Continuation)

Endpoint		Dacomitinib			Gefiti	Dacomitinib vs gefitinib	
	N	Values at start of study MV (SD)	Change at the end of study MV (SE)	N	Values at start of study MV (SD)	Change at the end of study MV (SE)	MD [95% CI] p value
Health status	Health status						
EQ-5D VAS							
	224	73.05 (19.62)	0.31 (1.38)	221	74.71 (17.62)	1.19 (2.17)	-0.88 [-5.94; 4.18] 0.733

(Continuation)

Health-related quality of life

Endpoint		Dacomitinib		Gefitinib	Dacomitinib vs gefitinib
	N	Median time to event in months [95% CI]	Z	Median time to event in months [95% CI]	HR [95% CI] p value
		Patients with event n (%)		Patients with event n (%)	Absolute difference (AD) ^a
Health-related q	uality	of life – time until per	maner	nt deterioration ^d	
Global health st	atus aı	nd functional scales o	of the I	EORTC QLQ-C30	
Global health status	226	26.3 [17.7; n.c.] 92 (40.7)	222	n.a. 52 (23.4)	1.99 [1.41; 2.81] < 0.001
Physical function	226	n.a. 60 (26.5)	222	n.a. [27.0; n.c.] 45 (20.3)	1.38 [0.94; 2.04] 0.099
Role function	226	n.a. [19.5; n.c.] 87 (38.5)	222	n.a. [24.9; n.c.] 64 (28.8)	1.48 [1.07; 2.05] 0.016
Emotional function	226	n.a. 50 (22.1)	222	n.a. 39 (17.6)	1.29 [0.85; 1.96] 0.236
Cognitive function	226	20.5 [13.1; n.c.] 95 (42.0)	222	n.a. [26.3; n.c.] 71 (32.0)	1.40 [1.03; 1.91] 0.031
Social function	226	n.a. [9.4; n.c.] 99 (43.8)	222	n.a. [21.5; n.c.] 75 (33.8)	1.45 [1.07; 1.96] 0.013

(Continuation)

Side effects

Endpoint	Dacomitinib			Gefitinib	Dacomitinib vs gefitinib	
	N	Median time to event in months [95% CI]	N	Median time to event in months [95% CI]	HR [95% CI] p value Absolute	
		Patients with event n (%)		Patients with event n (%)	difference (AD)ª	
Adverse events	(AE) (p	resented additionally)			
	227	no data available 226 (99.6)	224	no data available 220 (98.2)	-	
Serious adverse	events	(SAE)				
	227	n.a. [30.4; n.c.] 66 (29.1)	224	n.a. [31.4; n.c.] 52 (23.2)	1.20 [0.84; 1.74] 0.321	
Severe adverse	events	(CTCAE grade 3 or 4))			
	227	5.6 [3.9; 9.2] 146 (64.3)	224	23.5 [13.5; 31.4] 98 (43.8)	1.89 [1.46; 2.45] < 0.001	
Therapy discont	Therapy discontinuation because of adverse events					
	227	n.a. 41 (18.1)	224	n.a. 29 (12.9)	1.31 [0.81; 2.11] 0.266	
Specific adverse	events	s ^f				
Diarrhoea (PT, severe AE (CTCAE grade ≥ 3))	227	n.a. 20 (8.8)	224	n.a. 2 (0.9)	10.22 [2.39; 43.77] < 0.001	
Stomatitis (PT, AEs)	227	n.a. [14.6; n.c.] 99 (43.6)	224	n.a. 41 (18.3)	3.40 [2.35; 4.92] < 0.001	
Skin and subcutaneous tissue disorders (SOC, severe AEs with CTCAE grade ≥ 3)	227	n.a. 66 (29.1)	224	n.a. 5 (2.2)	14.47 [5.82; 35.94] < 0.001	
Includes: Acneiform dermatitis (PT, severe AE (CTCAE grade ≥ 3))	227	n.a. 31 (13.7)	224	n.a. 0 (0.0)	_ e < 0.001	
Dry skin (PT, AEs)	227	n.a. 63 (27.8)	224	n.a. 38 (17.0)	1.74 [1.16; 2.61] 0.007	

Endpoint		Dacomitinib		Gefitinib	Dacomitinib vs gefitinib
	N	Median time to event in months [95% CI] Patients with event n (%)	N	Median time to event in months [95% CI] Patients with event n (%)	HR [95% CI] p value Absolute difference (AD) ^a
Alopecia (PT, AEs)	227	n.a. 53 (23.3)	224	n.a. 28 (12.8)	2.02 [1.28; 3.20] 0.002
Chest pain (PT, AEs)	227	n.a. 24 (10.6)	224	n.a. 34 (15.2)	0.57 [0.33; 0.96] 0.032
Paronychia (PT, severe AE (CTCAE grade ≥ 3))	227	n.a. 17 (7.5)	224	n.a. 3 (1.3)	5.82 [1.70; 19.87] 0.001
Conjunctivitis (PT, AEs)	227	n.a. 43 (18.9)	224	n.a. 10 (4.5)	4.87 [2.44; 9.72] < 0.001
Respiratory, thoracic, and mediastinal disorders (SOC, AEs)	227	10.2 [6.7; 15.9] 124 (54.6)	224	16.3 [11.1; n.c.] 98 (43.8)	1.33 [1.02; 1.74] 0.035
Metabolism and nutrition disorders (SOC, AEs)	227	15.9 [9.2; 23.9] 110 (48.5)	224	25.8 [16.8; n.c.] 81 (36.2)	1.45 [1.09; 1.93] 0.011
Back pains (PT, AEs)	227	n.a. 18 (7.9)	224	n.a. 37 (16.5)	0.41 [0.23; 0.72] 0.002
Eye diseases (SOC, AEs)	227	n.a. 44 (19.4)	224	n.a. 22 (9.8)	2.03 [1.21; 3.39] 0.006
Investigations (SOC, severe AE (CTCAE grade ≥ 3))	227	n.a. 19 (8.4)	224	n.a. 37 (16.5)	0.44 [0.25; 0.77] 0.003
Includes: Alanine transaminase increased (PT, severe AE (CTCAE grade ≥ 3))	227	n.a. 2 (0.9)	224	n.a. 20 (8.9)	0.09 [0.02; 0.40] < 0.001

References:

a Absolute difference (AD) given only in the case of a statistically significant difference; own calculation

Endpoint	Dacomitinib			Gefitinib	Dacomitinib vs gefitinib
	N	Median time to event in months [95% CI] Patients with event n (%)	N	Median time to event in months [95% CI] Patients with event n (%)	HR [95% CI] p value Absolute difference (AD) ^a

^b Data from: dossier on dacomitinib Module 4A from 26 April 2019, data cut-off of 29 July 2016

Abbreviations used:

AD = absolute difference; CTCAE = Common Terminology Criteria for Adverse Events; EORTC QLQ-C30: European Organisation for Research and Treatment of Cancer Quality of Life Questionnaire Cancer-30; EORTC QLQ-LC13: lung cancer-specific add-on module to the EORTC QLQ-C30; HR = hazard ratio; CI = confidence interval; N = number of patients evaluated; n = number of patients with (at least one) event; n.c. = not calculable; n.a. = not achieved; PT: preferred term; RCT: randomised controlled trial; SOC: system organ class; vs = versus

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with activating EGFR mutations other than L858R or del 19:

There is no data that would allow for the assessment of the additional benefit.

2. Number of patients or demarcation of patient groups eligible for treatment

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with the activating EGFR mutations L858R or del 19:

Approx. 790 to 1910 patients

b) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with activating EGFR mutations other than L858R or del 19:

Approx. 100 to 300 patients

3. Requirements for a quality-assured application

The requirements in the product information are to be taken into account. The European Medicines Agency (EMA) provides the contents of the product information (summary of product characteristics, SmPC) for Vizimpro[®] (active ingredient: dacomitinib) at the following publicly accessible link (last access: 26 August 2019):

^c A once confirmed deterioration is considered to be an increase in score of at least 10 points compared with the baseline measured on at least 2 consecutive rounds.

d A once confirmed deterioration is considered to be a decrease in score of at least 10 points compared with the baseline measured on at least 2 consecutive rounds.

^e Order of magnitude of HR not interpretable (0 events in gefitinib arm)

^f Selection in accordance with IQWiG methodology; selection based on those identified in the study Events based on frequency and differences between treatment arms and taking into account patient relevance.

https://www.ema.europa.eu/documents/product-information/vizimpro-epar-product-information_de.pdf

Treatment with dacomitinib should only be initiated and monitored by specialists in internal medicine, haematology, and oncology, specialists in internal medicine and pneumology, specialists in pulmonary medicine, and specialists participating in the Oncology Agreement who are experienced in the treatment of patients with non-small cell lung carcinoma.

If the use of dacomitinib is considered, the EGFR mutation status must be determined by a validated test procedure.

4. Treatment costs

Annual treatment costs:

a) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with the activating EGFR mutations L858R or del 19:

Designation of the therapy	Annual treatment costs/patient				
Medicinal product to be assessed:					
Dacomitinib	€55,302.98				
Appropriate comparator therapy:					
Afatinib	€30,931.27				
Erlotinib	€33,145.16				
Gefitinib	€18,381.52				
Osimertinib	€70,637.23				

Costs after deduction of statutory rebates (LAUER-TAXE®) as last revised: 1 October 2019

b) Adult patients with first-line treatment of locally advanced or metastatic NSCLC with activating EGFR mutations other than L858R or del 19:

Designation of the therapy	Annual treatment costs/patient					
Medicinal product to be assessed:						
Dacomitinib	€55,302.98					
Appropriate comparator therapy: a patient-individual therapy depending on the activating EGFR mutation with selection of:						
afatinib, gefitinib, erlotinib, osimertinib						
Afatinib € 30,931.27						
Erlotinib € 33,145.16						
Gefitinib €18,381.52						

Osimertinib €70,637.23 Cisplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or pacilitaxel or pemetrexed) Cisplatin plus docetaxel Cisplatin nusure (Cisplatin) €1,959.42 Docetaxel €22,700.95 Additionally required SHI services: €321.03 – €411.93 Cisplatin plus gemcitabine €1,959.42–2,427.26 Gemcitabine €7,999.18 Total: €9,958.60–10,426.44 Additionally required SHI services: €321.03 – €411.93 Cisplatin plus paclitaxel €1,959.42–2,427.26 Cisplatin plus paclitaxel €20,269.78 Total: €22,486.41 Additionally required SHI services: €554.57 – €645.47 Cisplatin plus pemetrexed €65,036.64 Cisplatin plus vinorelbine €444.63 – €581.63 Cisplatin plus vinorelbine €4,608.33 – €5,555.19 Total: €1,959.42–2,427.26 Vinorelbine €4,608.33 – €5,555.19 Total: €6,67.75 – €7,982.45 Additionally required SHI services: €321.03 – €411.93 Carboplatin in combination with a third-generation cytostatic agent	Designation of the therapy	Annual treatment costs/patient					
or docetaxel or paclitaxel or pemetrexed) Cisplatin plus docetaxel Cisplatin €1,959.42 Docetaxel €20,741.53 Total: €22,700.95 Additionally required SHI services: €321.03 – €411.93 Cisplatin plus gemcitabine €1,959.42–2,427.26 Gemcitabine €7,999.18 Total: €9,958.60–10,426.44 Additionally required SHI services: €321.03 – €411.93 Cisplatin plus paclitaxel €1,959.86.60–10,426.44 Cisplatin plus paclitaxel €20,269.78 Total: €20,269.78 Total: €20,269.78 Total: €22,486.41 Additionally required SHI services: €554.57 – €645.47 Cisplatin plus pemetrexed €67,076.22 Total: €69,035.64 Additionally required SHI services: €444.63 – €581.63 Cisplatin plus vinorelbine €1,959.42–2,427.26 Vinorelbine €4,608.33 – €5,555.19 Total: €6,667.75 – €7,982.45 Additionally required SHI services: €321.03 – €411.93 Carboplatin in combination with a third-ge	Osimertinib	€70,637.23					
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Docetaxel € 20,741.53 Total: € 22,700.95 Additionally required SHI services: € 321.03 - € 411.93 Cisplatin plus gemcitabine € 1,959.42-2,427.26 Gemcitabine € 7,999.18 Total: € 9,958.60-10,426.44 Additionally required SHI services: € 321.03 - € 411.93 Cisplatin plus paclitaxel € 2,216.63 Paclitaxel € 20,269.78 Total: € 22,486.41 Additionally required SHI services: € 554.57 - € 645.47 Cisplatin plus pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 - € 581.63 Cisplatin plus vinorelbine € 1,959.42-2,427.26 Cisplatin plus vinorelbine € 4,608.33 - € 5,555.19 Total: € 6,567.75 - € 7,982.45 Additionally required SHI services: € 321.03 - € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel € 8,514.45 Docetaxel € 20,741.53	Cisplatin plus docetaxel						
Total: € 22,700.95 Additionally required SHI services: € 321.03 – € 411.93 Cisplatin plus gemcitabine € 1,959.42–2,427.26 Gemcitabine € 7,999.18 Total: € 9,958.60–10,426.44 Additionally required SHI services: € 321.03 – € 411.93 Cisplatin plus paclitaxel € 20,269.78 Total: € 20,269.78 Total: € 22,486.41 Additionally required SHI services: € 554.57 – € 645.47 Cisplatin plus pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 – € 581.63 Cisplatin plus vinorelbine € 1,959.42–2,427.26 Vinorelbine € 4,608.33 – € 5,555.19 Total: € 6,667.75 – € 7,982.45 Additionally required SHI services: € 321.03 – € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel € 8,514.45 Docetaxel € 20,741.53	Cisplatin	€1,959.42					
Additionally required SHI services: € 321.03 − € 411.93 Cisplatin plus gemcitabine € 1,959.42−2,427.26 Gemcitabine € 7,999.18 Total: € 9,958.60−10,426.44 Additionally required SHI services: € 321.03 − € 411.93 Cisplatin plus paclitaxel € 20,269.78 Cisplatin € 22,246.41 Additionally required SHI services: € 554.57 − € 645.47 Cisplatin plus pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 − € 581.63 Cisplatin plus vinorelbine € 4,608.33 − € 5,555.19 Cisplatin plus vinorelbine € 4,608.33 − € 5,555.19 Total: € 6,567.75 − € 7,982.45 Additionally required SHI services: € 321.03 − € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel € 8,514.45 Docetaxel € 20,741.53	Docetaxel	€20,741.53					
Cisplatin plus gemcitabine Cisplatin plus gemcitabine Cisplatin Fotal:	Total:	€22,700.95					
Cisplatin €1,959.42-2,427.26 Gemcitabine €7,999.18 Total: €9,958.60-10,426.44 Additionally required SHI services: €321.03 - €411.93 Cisplatin plus paclitaxel €2,216.63 Paclitaxel €20,269.78 Total: €22,486.41 Additionally required SHI services: €554.57 - €645.47 Cisplatin plus pemetrexed €1,959.42 Pemetrexed €67,076.22 Total: €69,035.64 Additionally required SHI services: €444.63 - €581.63 Cisplatin plus vinorelbine €1,959.42-2,427.26 Vinorelbine €4,608.33 - €5,555.19 Total: €6,567.75 - €7,982.45 Additionally required SHI services: €321.03 - €411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel €8,514.45 Docetaxel €20,741.53	Additionally required SHI services:	€321.03 – €411.93					
Gemcitabine Total: $0 = 9,958.60-10,426.44$ Additionally required SHI services: $0 = 321.03 - 0.411.93$ Cisplatin plus paclitaxel Cisplatin Paclitaxel $0 = 20,269.78$ Total: Additionally required SHI services: $0 = 20,269.78$ Total: Additionally required SHI services: $0 = 20,269.78$ Total: Additionally required SHI services: $0 = 20,269.78$ Cisplatin plus pemetrexed Cisplatin plus pemetrexed Cisplatin $0 = 1,959.42$ Pemetrexed $0 = 60,035.64$ Additionally required SHI services: $0 = 444.63 - 0.6581.63$ Cisplatin plus vinorelbine Cisplatin $0 = 1,959.42-2,427.26$ Vinorelbine $0 = 1,959.42-2,427.26$ Vinorelbine $0 = 1,959.42-2,427.26$ Vinorelbine $0 = 1,959.42-2,427.26$ Additionally required SHI services: $0 = 321.03 - 0.6411.93$ Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin plus docetaxel Carboplatin $0 = 8,514.45$ Docetaxel	Cisplatin plus gemcitabine						
Total: € 9,958.60—10,426.44 Additionally required SHI services: € 321.03 - € 411.93 Cisplatin plus paclitaxel Cisplatin € 2,216.63 Paclitaxel € 20,269.78 Total: € 22,486.41 Additionally required SHI services: € 554.57 - € 645.47 Cisplatin plus pemetrexed Cisplatin € 1,959.42 Pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 - € 581.63 Cisplatin plus vinorelbine Cisplatin € 1,959.42-2,427.26 Vinorelbine € 4,608.33 - € 5,555.19 Total: € 6,567.75 - € 7,982.45 Additionally required SHI services: € 321.03 - € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Cisplatin	€1,959.42-2,427.26					
Additionally required SHI services:	Gemcitabine	€7,999.18					
Cisplatin plus paclitaxel Cisplatin plus paclitaxel Paclitaxel	Total:	€ 9,958.60-10,426.44					
Cisplatin € 2,216.63 Paclitaxel € 20,269.78 Total: € 22,486.41 Additionally required SHI services: € 554.57 – € 645.47 Cisplatin plus pemetrexed € 1,959.42 Pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 – € 581.63 Cisplatin plus vinorelbine € 1,959.42–2,427.26 Vinorelbine € 4,608.33 – € 5,555.19 Total: € 6,567.75 – € 7,982.45 Additionally required SHI services: € 321.03 – € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel € 8,514.45 Carboplatin € 8,514.45 Docetaxel € 20,741.53	Additionally required SHI services:	€321.03 - €411.93					
Paclitaxel $€20,269.78$ Total: $€22,486.41$ Additionally required SHI services: $€554.57 - €645.47$ Cisplatin plus pemetrexed Cisplatin $€1,959.42$ Pemetrexed $€67,076.22$ Total: $€69,035.64$ Additionally required SHI services: $€444.63 - €581.63$ Cisplatin plus vinorelbine Cisplatin $€1,959.42 - 2,427.26$ Vinorelbine $€4,608.33 - €5,555.19$ Total: $€6,567.75 - €7,982.45$ Additionally required SHI services: $€321.03 - €411.93$ Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin $∮8,514.45$ Docetaxel $€20,741.53$	Cisplatin plus paclitaxel						
Total: €22,486.41 Additionally required SHI services: €554.57 $-$ €645.47 Cisplatin plus pemetrexed Cisplatin 0 €1,959.42 Pemetrexed €67,076.22 Total: €69,035.64 Additionally required SHI services: €444.63 $-$ €581.63 Cisplatin plus vinorelbine Cisplatin 0 €1,959.42 $-$ 2,427.26 Vinorelbine €4,608.33 $-$ €5,555.19 Total: €6,567.75 $-$ €7,982.45 Additionally required SHI services: €321.03 $-$ €411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin 0 €8,514.45 Docetaxel €20,741.53	Cisplatin	€2,216.63					
Additionally required SHI services: $€554.57 - €645.47$ Cisplatin plus pemetrexed Cisplatin $€1,959.42$ Pemetrexed $€67,076.22$ Total: $€69,035.64$ Additionally required SHI services: $€444.63 - €581.63$ Cisplatin plus vinorelbine Cisplatin $€1,959.42 - 2,427.26$ Vinorelbine $€4,608.33 - €5,555.19$ Total: $€6,567.75 - €7,982.45$ Additionally required SHI services: $€321.03 - €411.93$ Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin $€8,514.45$ Docetaxel $€20,741.53$	Paclitaxel	€20,269.78					
Cisplatin plus pemetrexed Cisplatin € 1,959.42 Pemetrexed € 67,076.22 Total: € 69,035.64 Additionally required SHI services: € 444.63 − € 581.63 Cisplatin plus vinorelbine € 1,959.42−2,427.26 Vinorelbine € 4,608.33 − € 5,555.19 Total: € 6,567.75 − € 7,982.45 Additionally required SHI services: € 321.03 − € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Total:	€22,486.41					
Cisplatin€ 1,959.42Pemetrexed€ 67,076.22Total:€ 69,035.64Additionally required SHI services:€ 444.63 $-$ € 581.63Cisplatin plus vinorelbineCisplatin€ 1,959.42 $-$ 2,427.26Vinorelbine€ 4,608.33 $-$ € 5,555.19Total:€ 6,567.75 $-$ € 7,982.45Additionally required SHI services:€ 321.03 $-$ € 411.93Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ 8,514.45Docetaxel€ 20,741.53	Additionally required SHI services:	€ 554.57 – € 645.47					
Pemetrexed€ 67,076.22Total:€ 69,035.64Additionally required SHI services:€ 444.63 – € 581.63Cisplatin plus vinorelbine€ 1,959.42–2,427.26Vinorelbine€ 4,608.33 – € 5,555.19Total:€ 6,567.75 – € 7,982.45Additionally required SHI services:€ 321.03 – € 411.93Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ 8,514.45Docetaxel€ 20,741.53	Cisplatin plus pemetrexed						
Total:€ 69,035.64Additionally required SHI services:€ 444.63 $-$ € 581.63Cisplatin plus vinorelbine€ 1,959.42 $-$ 2,427.26Vinorelbine€ 4,608.33 $-$ € 5,555.19Total:€ 6,567.75 $-$ € 7,982.45Additionally required SHI services:€ 321.03 $-$ € 411.93Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ 8,514.45Docetaxel€ 20,741.53	Cisplatin	€1,959.42					
Additionally required SHI services:€ $444.63 - €581.63$ Cisplatin plus vinorelbine€ $1,959.42-2,427.26$ Vinorelbine€ $4,608.33 - €5,555.19$ Total:€ $6,567.75 - €7,982.45$ Additionally required SHI services:€ $321.03 - €411.93$ Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ $8,514.45$ Docetaxel€ $20,741.53$	Pemetrexed	€67,076.22					
Cisplatin plus vinorelbine Cisplatin € 1,959.42–2,427.26 Vinorelbine € 4,608.33 – € 5,555.19 Total: € 6,567.75 – € 7,982.45 Additionally required SHI services: € 321.03 – € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Total:	€ 69,035.64					
Cisplatin € 1,959.42–2,427.26 Vinorelbine € 4,608.33 – € 5,555.19 Total: € 6,567.75 – € 7,982.45 Additionally required SHI services: € 321.03 – € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Additionally required SHI services:	€ 444.63 – € 581.63					
Vinorelbine€ 4,608.33 $-$ € 5,555.19Total:€ 6,567.75 $-$ € 7,982.45Additionally required SHI services:€ 321.03 $-$ € 411.93Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ 8,514.45Docetaxel€ 20,741.53	Cisplatin plus vinorelbine						
Total:€ 6,567.75 - € 7,982.45Additionally required SHI services:€ 321.03 - € 411.93Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)Carboplatin plus docetaxelCarboplatin€ 8,514.45Docetaxel€ 20,741.53	Cisplatin	€1,959.42-2,427.26					
Additionally required SHI services: € 321.03 – € 411.93 Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Vinorelbine	€4,608.33 - €5,555.19					
Carboplatin in combination with a third-generation cytostatic agent (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin	Total:	€ 6,567.75 – € 7,982.45					
gemcitabine or docetaxel or paclitaxel or pemetrexed) Carboplatin plus docetaxel Carboplatin € 8,514.45 Docetaxel € 20,741.53	Additionally required SHI services:	€321.03 - €411.93					
Carboplatin € 8,514.45 Docetaxel € 20,741.53							
Docetaxel €20,741.53	Carboplatin plus docetaxel						
<u> </u>	Carboplatin	€8,514.45					
Total: €29,255.98	Docetaxel	€20,741.53					
	Total:	€29,255.98					

Designation of the therapy	Annual treatment costs/patient				
Carboplatin plus gemcitabine					
Carboplatin	€8,514.45				
Gemcitabine	€7,999.18				
Total:	€16,513.63				
Carboplatin plus paclitaxel					
Carboplatin	€8,514.45				
Paclitaxel	€20,269.78				
Total:	€28,784.23				
Additionally required SHI services:	€233.55				
Carboplatin plus pemtrexed					
Carboplatin	€8,514.45				
Pemetrexed	€67,076.22				
Total:	€75,590.67				
Additionally required SHI services:	€123.61–169.71				
Carboplatin plus vinorelbine					
Carboplatin	€8,514.45				
Vinorelbine	€4,608.33 - €5,555.19				
Total:	€13,122.78 - €14,069.64				
Carboplatin plus nab-paclitaxel					
Carboplatin	€8,514.45				
nab-paclitaxel	€41,219.22				
Total:	€ 49,733.67				
Monotherapy with gemcitabine or vinorelbine (only for patients with ECOG performance status 2 as an alternative to platinum-based combination treatment).					
Gemcitabine	€7,154.55				
Vinorelbine	€7,048.03 – €8,496.18				

Costs after deduction of statutory rebates (LAUER-TAXE®) as last revised: 1 October 2019

Other services covered by SHI funds:

Designation of the therapy	Type of service	Cost per unit	Numbe r per cycle	Number per patient per year ⁵	Cost per patient per year		
Medicinal product to be assessed:							
not applicable							
Appropriate comparator therapy:							
Carboplatin	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17	€1,377		
Cisplatin	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17	€1,377		
Vinorelbine	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	2	34	€2,754		
Gemcitabine	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	2	34	€2,754		
Docetaxel	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17	€1,377		
Paclitaxel	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17	€1,377		
nab-paclitaxel	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	51	€4,131		
Pemetrexed	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17	€1,377		
Gemcitabine (Monotherapy)	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	3	39	€3,159		
Vinorelbine (Monotherapy)	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	52	€4,212		

calculated and standardised for one year