

Perampanel (New Therapeutic Indication: Epilepsy, partial-onset seizures, 4 to <12 years)

Resolution of: 3 June 2021
Entry into force on: 3 June 2021
BAnz AT 25 06 2021 B4

Valid until: unlimited

New therapeutic indication (according to the marketing authorisation of 10 November 2020):

Fycompa (perampanel) is indicated for the adjunctive therapy of

- partial-onset seizures (POS) with or without secondarily generalised seizures in patients from 4 years of age and older.

- primary generalised tonic-clonic (PGTC) seizures in patients from 7 years of age and older with idiopathic generalised epilepsy (IGE).

Therapeutic indication of the resolution (resolution of 3 June 2021):

Fycompa (perampanel) is indicated for the adjunctive therapy of partial-onset seizures (POS) with or without secondary generalisation(s) in patients 4 to < 12 years of age.

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

Children aged 4 to <12 years with partial-onset seizures with or without secondary generalisation(s) on adjunctive therapy:

Appropriate comparator therapy:

A patient-individual adjunctive antiepileptic therapy, if medically indicated and if no pharmacoresistance (in the sense of an insufficient response), intolerance or contraindication is known, under selection of

Eslicarbazepine¹, Gabapentin², Lacosamide, Lamotrigine, Levetiracetam, Oxcarbazepine², Topiramate, Valproic acid³, Zonisamide², Brivaracetam

taking into account the baseline and previous therapy(ies) and considering the reason for the change in therapy and any associated side effects.

¹ For children over 6 years

² For children 6 years or older

³ Valproic acid is not regularly considered for the adjunctive treatment of partial-onset seizures in children 4 to 11 years of age due to potential for liver damage and teratogenicity. However, in the context of patient-individual therapy, additional treatment with valproic acid may be a possible option.

Extent and probability of the additional benefit of perampanel compared to the appropriate comparator therapy:

An additional benefit is not proven.

Summary of results for relevant clinical endpoints

Endpoint category	Effect direction/ Risk of bias	Summary
Mortality	n.b.	There are no evaluable data.
Morbidity	n.b.	There are no evaluable data.
Health-related quality of life	n.b.	There are no evaluable data.
Side effects	n.b.	There are no evaluable data.
Explanations: ↑: statistically significant and relevant positive effect with low/unclear reliability of data ↓: statistically significant and relevant negative effect with low/unclear reliability of data ↑↑: statistically significant and relevant positive effect with high reliability of data ↓↓: statistically significant and relevant negative effect with high reliability of data ↔: no statistically significant or relevant difference Ø: There are no usable data for the benefit assessment. n.b.: not assessable		

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

Children aged 4 to <12 years with partial-onset seizures with or without secondary generalisation(s) on adjunctive therapy:

approx. 2950 to 6700 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 Fycompa (active ingredient: perampanel) at the following publicly accessible link (last access: 24 March 2021):

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

4. Treatment costs

Annual treatment costs:

Children aged 4 to <12 years with partial-onset seizures with or without secondary generalisation(s) on adjunctive therapy:

Name of therapy ⁴	Annual treatment costs/patient
Medicinal product to be assessed:	
Perampanel OSUS + FCT	€ 338.29 - € 1,353.16
Appropriate comparator therapy:	
Brivaracetam OS + FCT	€ 259.73 - € 2,181.77
Eslicarbazepine OSUS + TAB from the age of 7	€ 988.36 - € 4,392.70
Gabapentin OS + HC from the age of 6	€ 230.28 - € 4,155.06
Lacosamide SYR + FCT	€ 999.46 - € 4,530.89
Lamotrigine TOS + TAB	€ 30.68 - € 262.36
Levetiracetam LSE	€ 111.69 - € 2,448.14
Oxcarbazepine OSUS + FCT from the age of 6	€ 403.20 - € 2,054.28

⁴ Abbreviations according to IFA GmbH guideline (https://www.ifaffm.de/mandanten/1/documents/02_ifa_anbieter/richtlinien/IFA-Richtlinien_Darreichungsformen.pdf).

FCT: Film-coated tablets; HC: Hard capsules; OS: Oral solution; SYR: Syrup; OSUS: Oral suspension; TAB: Tablets; TOS: Tablets for the preparation of oral suspension

Name of therapy ⁴	Annual treatment costs/patient
Topiramate FCT	€ 277.07- € 896.08
Valproic acid OS + FCT	€ 110.74 - € 309.49
Zonisamide HC + OSUS from the age of 6	€ 953.73 - € 4,921.32

Costs after deduction of statutory rebates (LAUER-TAXE®, as last revised: 15 May 2021).