

Brexidol

M R F_f

Chiesi Farmaceutici

Tablett 20 mg

(blekt gula, sexkantiga med skåra, 10,6 x 11,8 mm)

Antiflogistikum med analgetisk och antipyretisk effekt

Aktiv substans:

Piroxikam

ATC-kod:

M01AC01

Läkemedel från Chiesi Farmaceutici omfattas av Läkemedelsförsäkringen.

Miljöpåverkan

Piroxikam

Miljörisk: Risk för miljöpåverkan av piroxikam kan inte uteslutas då ekotoxikologiska data saknas.

Nedbrytning: Det kan inte uteslutas att piroxikam är persistent, då data saknas.

Bioackumulering: Piroxikam har låg potential att bioackumuleras.

Detaljerad miljöinformation

Environmental Risk Classification

Predicted Environmental Concentration (PEC)

PEC is calculated according to the following formula:

$$\text{PEC } (\mu\text{g/L}) = (A \cdot 10^9 \cdot (100 - R)) / (365 \cdot P \cdot V \cdot D \cdot 100) = 1,37 \cdot 10^{-6} \cdot A \cdot (100 - R)$$

$$\text{PEC} = 1,34 \times 10^{-3} \mu\text{g/L}$$

Where:

A = 9,8047 kg (total sold amount API in Sweden year 2021, data from IQVIA).

R = 0% removal rate (due to loss by adsorption to sludge particles, by volatilization, hydrolysis or biodegradation) = 0 if no data is available.

P = number of inhabitants in Sweden = $10 \cdot 10^6$

V (L/day) = volume of wastewater per capita and day = 200 (ECHA default) (Ref.1)

D = factor for dilution of waste water by surface water flow = 10 (ECHA default) (Ref.1)

Predicted No Effect Concentration (PNEC)

Data not available

Environmental risk classification (PEC/PNEC ratio)

Risk of environmental impact of piroxicam cannot be excluded, since there is not sufficient ecotoxicity data available.

Degradation

Data not available

Bioaccumulation

Partitioning coefficient:

Log Pow = 3,06 (experimentally derived, unknown method) (Ref. 2)

Since log Pow < 4, the substance has low potential for bioaccumulation.

References

1. ECHA, European Chemicals Agency. 2008 Guidance on information requirements and chemical safety assessment. http://guidance.echa.europa.eu/docs/guidance_document/information_requirements_en.htm
2. Avdeef A et al (1997), United States National Library of Medicine, PubChem, Compound, Piroxicam, <http://pubchem.ncbi.nlm.nih.gov/>. Accessed: 14 July 2015