

Pentasa

M R F

Ferring

Depottablett 1 g

(Ovala vita till ljusgrå, fläckiga, märkta PENTASA på båda sidor. 10,0 x 20,0 mm)

Aminosalicylsyra och liknande medel

Aktiv substans:

Mesalazin

ATC-kod:

A07EC02

Läkemedel från Ferring omfattas av Läkemedelsförsäkringen.

Miljöpåverkan

Mesalazin

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

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

Bioackumulering: Mesalazin har låg potential att bioackumuleras.

Detaljerad miljöinformation

Risk of environmental impact cannot be excluded, since no ecotoxicity data are available

PEC = 3,33 µg/L

PEC is based on the formula:

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

Where:

A = 24336 kg (total sold amount API in Sweden year 2019, data from IQVIA). Reduction of A may be justified based on metabolism data.

R = X % 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. I)

D = factor for dilution of waste water by surface water flow = 10

(ECHA default) (Ref. I)

Bioaccumulation

Partitioning coefficient (Ref. II)

$\log K_{ow} = 0.98$ (est)

Justification of chosen bioaccumulation phrase:

Since $\log K_{ow} < 4$ the substance has low potential for bioaccumulation

References

I. 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

II. US EPA; Estimation Program Interface (EPI) Suite. Ver.3.12. Nov 30, 2004. Available from, as of Jan 4, 2007: <http://www.epa.gov/oppt/exposure/pubs/episuite.html>