

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2016-1561
Application: B.1.1 - New Source Same Registrant
Product: Cyflumetofen Technical
Registration Number: 31283
Active ingredients (a.i.): Cyflumetofen
PMRA Document Number: 2687415

Purpose of Application

The purpose of this application was to register a new source of manufacture for the Cyflumetofen Technical.

Chemistry Assessment

Common Name: Cyflumetofen
IUPAC* Chemical Name: 2-methoxyethyl (*RS*)-2-(4-*tert*-butylphenyl)-2-cyano-3-oxo-3-(α,α,α -trifluoro-*o*-tolyl)propionate
CAS† Chemical Name: 2-methoxyethyl α -cyano- α -[4-(1,1-dimethylethyl)phenyl]- β -oxo-2-(trifluoromethyl)benzenepropanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Cyflumetofen Technical has the following properties:

Property	Result
Colour and physical state	Pale yellow solid
Nominal concentration	98.6%
Odour	No characteristic odour
Density	1.229 g/cm ³
Vapour pressure	< 5.9×10^{-6} Pa (at 25°C)
pH	4.31
Solubility in water	0.0277 mg/L (20°C)
n-Octanol/water partition coefficient	Log K _{ow} = 4.3 (25°C)

The required chemistry data for Cyflumetofen Technical have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and assessments were not required for this application.

Conclusion

The PMRA has reviewed the information provided in support of the new manufacturing source for Cyflumetofen Technical. Based on the results of this review, the new source of manufacture is acceptable for registration.

References

- 2620283 2016, Revised DACO 2.1 to 2.9, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9
- 2620284 2016, Summary of purpose of submission and review of data parts, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.1 CBI
- 2620285 2015, Cyflumetofen - Evaluation report on the equivalence of technical material for the active substance – [CBI REMOVED], DACO: 2.13.3 CBI
- 2620286 2015, Composition of components in Cyflumetofen Technical (5 Lot), [PRIVACY INFO REMOVED], DACO: 2.13.3 CBI
- 2620287 2011, Chiral purity analysis of Cyflumetofen, DACO: 2.16 CBI

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