

(R)-Citalopram oxalate

Chemical Properties

CAS No.:	219861-53-7
Formula:	C ₂₂ H ₂₃ FN ₂ O ₅
Molecular Weight:	414.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	(R)-Citalopram oxalate is a less active enantiomer of Escitalopram Oxalate. Escitalopram Oxalate is a potent and selective serotonin reuptake inhibitor.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.413 mL	12.065 mL	24.130 mL
5 mM	0.483 mL	2.413 mL	4.826 mL
10 mM	0.241 mL	1.206 mL	2.413 mL
50 mM	0.048 mL	0.241 mL	0.483 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kirino E. Escitalopram for the management of major depressive disorder: a review of its efficacy, safety, and patient acceptability. Patient Prefer Adherence. 2012;6:853-61. doi: 10.2147/PPA.S22495. Epub 2012 Dec 4. PubMed PMID: 23271894; PubMed Central PMCID: PMC3526882.
2. Alarfaj NA, Aly FA, Al-Qahtany AA. Flow-injection chemiluminescence and electrogenerated chemiluminescence determination of escitalopram oxalate in tablet form. Luminescence. 2013 Jan-Feb;28(1):84-92. doi: 10.1002/bio.2372. Epub 2012 May 4. PubMed PMID: 22555899.
3. de Diego HL, Bond AD, Dancer RJ. Formation of solid solutions between racemic and enantiomeric citalopram oxalate. Chirality. 2011 May;23(5):408-16. doi: 10.1002/chir.20943. Epub 2011 Apr 6. PubMed PMID: 21472783.
4. Li J, Tian Y, Zhang ZJ, Wang N, Ren X, Chen Y. Pharmacokinetics and bioequivalence study of escitalopram oxalate formulations after single-dose administration in healthy Chinese male volunteers. Arzneimittelforschung. 2009;59(5):228-32. doi: 10.1055/s-0031-1296389. PubMed PMID: 19537522.

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