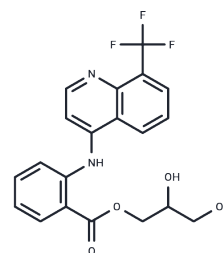


Floctafenine

Chemical Properties

CAS No. :	23779-99-9
Formula:	C ₂₀ H ₁₇ F ₃ N ₂ O ₄
Molecular Weight:	406.36
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Floctafenine (R-4318) is an orally available nonsteroidal anti-inflammatory compound that is a COX-I and COX-2 inhibitor and interferes with the antiplatelet effects of aspirin. Floctafenine has analgesic activity and is used in the study of pain.
Targets(IC50)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4609 mL	12.3044 mL	24.6087 mL
5 mM	0.4922 mL	2.4609 mL	4.9217 mL
10 mM	0.2461 mL	1.2304 mL	2.4609 mL
50 mM	0.0492 mL	0.2461 mL	0.4922 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- P Giuseppe, et al. Floctafenine: a valid alternative in patients with adverse reactions to nonsteroidal anti-inflammatory drugs. *Ann Allergy Asthma Immunol.* 1997 Jan;78(1):74-8.
- Gehan Hegazy Hegazy, et al. Synthesis of some floctafenine derivatives of expected anti-inflammatory/analgesic activity. *Arch Pharm (Weinheim).* 2005 Aug;338(8):378-84.
- R Maenthaisong, et al. Clinical pharmacology of cyclooxygenase inhibition and pharmacodynamic interaction with aspirin by floctafenine in Thai healthy subjects. *Int J Immunopathol Pharmacol.* Apr-Jun 2013;26(2):403-17.
- Walash M, Belal F, Eid M, el-Abass SA. Simultaneous HPLC determination of thiocolchicoside and glafenine as well as thiocolchicoside and floctafenine in their combined dosage forms. *J Chromatogr Sci.* 2011 Feb;49(2):159-64.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481