

Dulozafone

Chemical Properties

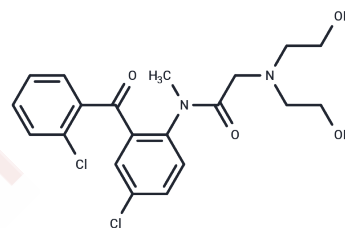
CAS No. : 75616-02-3

Formula: C₂₀H₂₂Cl₂N₂O₄

Molecular Weight: 425.31

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dulozafone (F1933) has an anti- showed anticonvulsant activity in a brain amygdala ignition model and protected fully ignited rats from generalized seizures.
Targets(IC50)	Others
In vivo	Dulozafone (F1933) protected fully kindled rats against generalized seizures but failed to suppress partial ictal events (amygdala after discharges and limbic seizures). The anticonvulsive action of F1933, administered at the ED100, was nearly reversed by the specific antagonist of benzodiazepine receptors; R015-1788 (Flumazenil), suggesting that the effect of F1933 is mediated by this receptor. These results also emphasize the usefulness of kindling to test antiepileptic drugs and to confirm their supposed profile of action.[1]

Solubility Information

Solubility	DMSO: 60 mg/mL (141.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3512 mL	11.7561 mL	23.5123 mL
5 mM	0.4702 mL	2.3512 mL	4.7025 mL
10 mM	0.2351 mL	1.1756 mL	2.3512 mL
50 mM	0.047 mL	0.2351 mL	0.4702 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

Lerner-Natoli M, et al. Anticonvulsive properties of F1933 (dulozafone) on kindled seizures in the rat. Eur J Pharmacol. 1990;182(1):161-166.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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