Cyproheptadine hydrochloride, H₁ and 5-HT₂B antagonist

Overview

Product name: Cyproheptadine hydrochloride, H₁ and 5-HT₂B antagonist

Description: Potent H₁ and 5-HT₂B antagonist. Non-selective receptor antagonist.

Biological description: Potent H₁ and 5-HT₂B antagonist (Kᵢ and pKᵢ values are 10 and 1.4 nM, respectively). Non-selective receptor antagonist (shows high potency (low nM) at other 5-HT, dopamine and muscarinic acetylcholine receptors. Displays antihistaminergic and antiserotonergic effects.

Purity: > 99%

CAS Number: 41354-29-4

Chemical structure

Chemical name: 4-(5H-Dibenzo[a,d]cyclohepten-5-ylidine)methylpiperidine hydrochloride sesquihydrate

Molecular weight: 350.89

Molecular formula: C₂₁H₂₃N.HCl.1.5H₂O

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 10 mM (with warming) and in DMSO to 100 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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