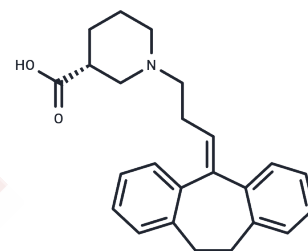


ReN-1869

Chemical Properties

CAS No. : 170149-99-2
 Formula: C₂₄H₂₇NO₂
 Molecular Weight: 361.48
 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	ReN-1869 is a novel selective histamine H(1) receptor antagonist with anti-neurogenic pain and anti-inflammatory activity for the study of neurological diseases.
Targets(IC50)	Histamine Receptor
In vivo	No adverse effects were observed in mice treated with ReN 1869 hydrochloride (300 mg/kg, oral); 0.01-10 mg/kg of ReN 1869 hydrochloride had antinociceptive effects in the rodent chemical nociception test, but not in the thermal test (hot plate and tail flick); ReN 1869 hydrochloride can amplify the analgesic effect of morphine, but does not show tolerance after long-term administration; ReN 1869 hydrochloride is effective against neurogenic inflammation (anterograde nerve stimulation, histamine-induced edema), but not against carrageenan-induced inflammation. [4]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7664 mL	13.832 mL	27.664 mL
5 mM	0.5533 mL	2.7664 mL	5.5328 mL
10 mM	0.2766 mL	1.3832 mL	2.7664 mL
50 mM	0.0553 mL	0.2766 mL	0.5533 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

Schaffler K, et al. Effect of the new H1-antagonist ReN1869 on capsaicin-induced hyperalgesia in human skin/Human phase-I trial using somatosensory evoked potentials induced by a CO2 laser. *Arzneimittelforschung*. 2004;54(3):187-91.

Suzuki R, Edwards M, Dickenson AH. ReN-1869 [(R)-1-(3-(10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-1-propyl)-3-piperidine carboxylic acid], a novel histamine H1 receptor antagonist, produces potent and selective antinociceptive effects on dorsal horn neurons after inflammation and neuropathy. *J Pharmacol Exp Ther*. 2004 Jun;309(3):1230-8.

Skrumsager BK, Ingwersen SH, Gerrits M. Safety and pharmacokinetics of ReN1869: a first human dose study in healthy subjects after single-dose administration. *J Clin Pharmacol*. 2003 Jan;43(1):66-73.

Olsen UB, Eltorp CT, Ingvarsen BK, Jørgensen TK, Lundbaek JA, Thomsen C, Hansen AJ. ReN 1869, a novel tricyclic antihistamine, is active against neurogenic pain and inflammation. *Eur J Pharmacol*. 2002 Jan 18;435(1):43-57.

PubMed PMID: 11790377.

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