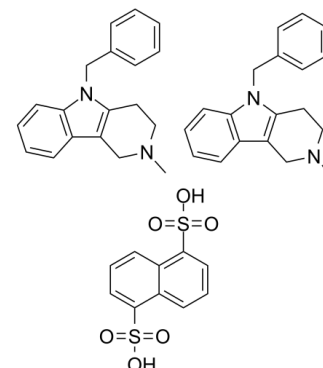


Data Sheet

Product Name:	Mebhydrolin (napadisylate)
Cat. No.:	CS-4851
CAS No.:	6153-33-9
Molecular Formula:	C ₄₈ H ₄₈ N ₄ O ₆ S ₂
Molecular Weight:	841.05
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Mebhydrolin napadisylate is a specific **histamine H₁ receptor** antagonist. IC₅₀ & Target: Histamine H₁-receptor^[1] **In Vitro:** Mebhydrolin is a specific histamine H₁-receptor antagonist with minimal sedative properties and comparing it with the effects of chlorpromazine, the archetypical phenothiazine^[1]. Mebhydrolin exerts an antihistaminic effect over the period of the ethanol interaction study^[2].

References:

- [1]. O'Neill PA, et al. Chlorpromazine-a specific effect on breathlessness? Br J Clin Pharmacol. 1985 Jun;19(6):793-7.
[2]. Franks HM, et al. Interaction between ethanol and antihistamines: 3. Mebhydrolin. Med J Aust. 1981 Oct 31;2(9):477-9.

CAIndexNames:

1,5-Naphthalenedisulfonic acid, compd. with 2,3,4,5-tetrahydro-2-methyl-5-(phenylmethyl)-1H-pyrido[4,3-b]indole (1:2)

SMILES:

O=S(C1=C2C=CC=C(S(=O)(O)=O)C2=CC=C1)(O)=O.CN(C3)CCC(N4CC5=CC=CC=C5)=C3C6=C4C=CC=C6.CN(C7)CCC(N8CC9=CC=CC=C9)=C7C%10=C8C=CC=C%10

Caution: Product has not been fully validated for medical applications. For research use only.

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