Amthamine dihydrobromide

Cat. No.: HY-101063

CAS No.: 142457-00-9

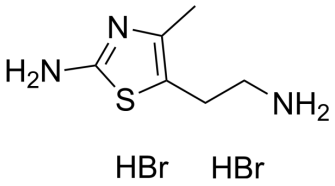
Molecular Formula: $C_6H_{13}Br_2N_3S$

Molecular Weight: 319.06

Target: Others

Pathway: Others

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (313.42 mM; Need ultrasonic)
DMSO : 83.33 mg/mL (261.17 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.1342 mL	15.6710 mL	31.3421 mL
5 mM	0.6268 mL	3.1342 mL	6.2684 mL
10 mM	0.3134 mL	1.5671 mL	3.1342 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Amthamine is a histamine receptor (H1R-H4R) agonist. Amthamine can produce liver congestion and necrosis of liver cells. Amthamine can be used to study the induction effect of H1R-H4 agonist on hepatotoxicity [1].

REFERENCES

[1]. Trivendra Tripathi, et al. Hepatotoxicity Due to Histamine Trifluoro-Methyl Toluidide, Amthamine, R-(-)-α-Methyl Histamine and Clobenpropit (H1R-H4R-Agonists, Respectively) in Rabbit Experimental Model. American Medical Journal. 2010, 1 (1): 1-7.

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