SCH-202676 hydrobromide

Cat. No.: HY-110012

CAS No.: 265980-25-4

Molecular Formula: $C_{15}H_{14}BrN_3S$

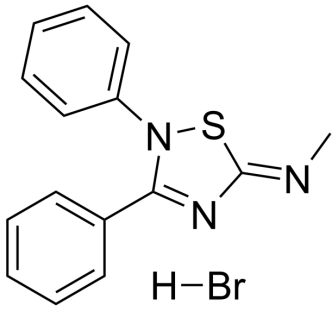
Molecular Weight: 348.26

Target: Adenosine Receptor

Pathway: GPCR/G Protein

Storage: -20°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

DMSO : 10 mg/mL (28.71 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8714 mL	14.3571 mL	28.7142 mL
	5 mM	0.5743 mL	2.8714 mL	5.7428 mL
	10 mM	0.2871 mL	1.4357 mL	2.8714 mL

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

BIOLOGICAL ACTIVITY

Description

SCH-202676 hydrobromide is an allosteric modulator of G protein-coupled receptors (GPCRs) and adenosine receptor (AR). SCH-202676 hydrobromide has antiviral activity and inhibits $3CL^{pro}$ in a time-dependent manner with an IC_{50} value of 0.655 μM[1][2][3][4].

REFERENCES

[1]. Ren P, et al. Discovery, synthesis and mechanism study of 2,3,5-substituted [1,2,4]-thiadiazoles as covalent inhibitors targeting 3C-Like protease of SARS-CoV-2. Eur J Med Chem. 2023 Jan 18;249:115129.

[2]. Lewandowicz AM, et al. The 'allosteric modulator' SCH-202676 disrupts G protein-coupled receptor function via sulphydryl-sensitive mechanisms. Br J Pharmacol. 2006 Feb;147(4):422-9.

[3]. Fawzi A B, et al. SCH-202676: an allosteric modulator of both agonist and antagonist binding to G protein-coupled receptors[J]. Molecular Pharmacology, 2001, 59(1): 30-37.

[4]. Gao ZG, et al. Effects of the allosteric modulator SCH-202676 on adenosine and P2Y receptors. Life Sci. 2004 May 7;74(25):3173-80.

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

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