LY2812223

Cat. No.: HY-18760

CAS No.: 1311385-20-2

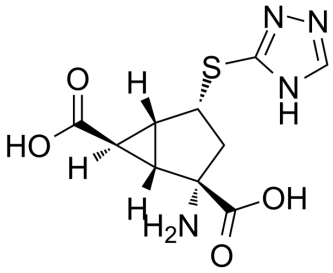
Molecular Formula: $C_{10}H_{12}N_4O_4S$

Molecular Weight: 284.29

Target: mGluR

Pathway: GPCR/G Protein; Neuronal Signaling

Storage: -20°C, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (175.88 mM; Need ultrasonic)
DMSO : 28.75 mg/mL (101.13 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.5175 mL	17.5877 mL	35.1753 mL
5 mM	0.7035 mL	3.5175 mL	7.0351 mL
10 mM	0.3518 mL	1.7588 mL	3.5175 mL

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 140 mg/mL (492.45 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

LY2812223 is a highly potent, functionally selective $mGlu_2$ receptor agonist with $mGlu_2$ binding affinity for $mGlu_2$ and $mGlu_3$ (K_i=144 nM and 156 nM, respectively)[1].

IC_{50} & Target	mGluR2	mGluR3
	144 nM (Ki)	156 nM (Ki)

REFERENCES

[1]. Monn JA, et al. Synthesis and Pharmacological Characterization of C4-(Thiotriazolyl)-substituted-2-aminobicyclo[3.1.0]hexane-2,6-dicarboxylates. Identification of (1R,2S,4R,5R,6R)-2-Amino-4-(1H-1,2,4-triazol-3-ylsulfanyl)bicyclo[3.1.0]hexane-2,6-dicarboxy

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

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