ASN02563583

Cat. No.: HY-128111

CAS No.: 483283-39-2

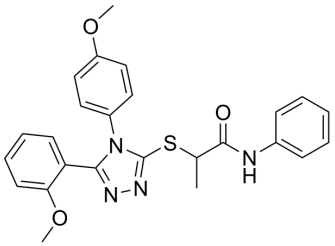
Molecular Formula: $C_{25}H_{24}N_4O_3S$

Molecular Weight: 460.55

Target: Others

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (217.13 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1713 mL	10.8566 mL	21.7132 mL
	5 mM	0.4343 mL	2.1713 mL	4.3426 mL
	10 mM	0.2171 mL	1.0857 mL	2.1713 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 5 mg/mL (10.86 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 5 mg/mL (10.86 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

ASN02563583, a compound that regulates the activity of the GPR17 receptor, has a IC_{50} value of 0.64 nM in [$_{35}$S]GTPγS binding assay. ASN02563583 can be used in the study of neurological diseases[1].

REFERENCES

[1]. Mariapia Abbracchio, et al. TGpr17-modulating compounds, diagnostic and therapeutic uses thereof. US20140148472A1. 2014-05-29.

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

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