FAAH inhibitor 1

Cat. No.: HY-10862

CAS No.: 326866-17-5

Molecular Formula: $C_{24}H_{23}N_3O_3S_3$

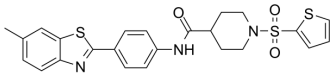
Molecular Weight: 497.65

Target: FAAH; Autophagy

Pathway: Metabolic Enzyme/Protease; Neuronal Signaling; Autophagy

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (125.59 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.0094 mL	10.0472 mL	20.0944 mL
	5 mM	0.4019 mL	2.0094 mL	4.0189 mL
	10 mM	0.2009 mL	1.0047 mL	2.0094 mL

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

BIOLOGICAL ACTIVITY

Description

FAAH inhibitor 1 (Benzothiazole analog 3) is a potent fatty acid amide hydrolase (FAAH) inhibitor with an IC_{50} of 18±8 nM[1].

REFERENCES

[1]. Wang, Xueqing; Sarris, Katerina; Kage, Karen; et al. Synthesis and Evaluation of Benzothiazole-Based Analogues as Novel, Potent, and Selective Fatty Acid Amide Hydrolase Inhibitors. Journal of Medicinal Chemistry (2009), 52(1), 170-180.

[2]. Meyers, Marvin J.; Long, Scott A.; Pelc, Matthew J.; et al. Discovery of novel spirocyclic inhibitors of fatty acid amide hydrolase (FAAH). Part 1: Identification of 7-azaspiro[3.5]nonane and 1-oxa-8-azaspiro[4.5]decane as lead scaffolds. Bioorganic & Med

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

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