Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

FAAH inhibitor 1

Catalog No: tcsc1723

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
326866-17-5

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

Pathway:
Neuronal Signaling;Metabolic Enzyme/Protease

Target:
FAAH;FAAH

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
497.65

Product Description

FAAH inhibitor 1 is a potent fatty acid amide hydrolase (FAAH) inhibitor with an IC50 of 18±8 nM.

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IC50 Value: 18±8 nM [1]

Target: FAAH

Time-dependent preincubation study of FAAH inhibitor 1 was consistent with it being a reversible inhibitor. Activity-based protein-profiling (ABPP) evaluation of FAAH inhibitors 1 in rat tissues revealed that it had exceptional selectivity and no off-target activity with respect to other serine hydrolases. Molecular shape overlay of FAAH inhibitor 1 with a known FAAH inhibitor indicated that these compounds might act as transitionstate analogues, forming putative hydrogen bonds with catalytic residues and mimicking the charge distribution of the tetrahedral transition state. FAAH inhibitors 1 was exclusively specific against FAAH in rat brain and had no missing protein bands in all the other tissues that were tested [1].