



Catalog Number:	MC11053	Product Type:	Small Molecule
Bio-Activity:	FAAH inhibitor	CAS #:	898235-65-9
Research Categories:	Neuroscience, pain	Chemical Name:	N-Phenyl-4-(quinolin-2-ylmethyl)piperazine-1-carboxamide
Solubility:	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 3 mg/ml).	Molecular Formula:	C ₂₁ H ₂₂ N ₄ O
Purity:	> 98%	Molecular Weight:	346.44
Format:	Powder	Ship Temp:	Ambient
Storage:	Room Temperature		

Application Notes

Description/Data:

A potent and selective irreversible FAAH inhibitor. Covalently modifies active site-serine (IC₅₀=33 nM). Completely selective for FAAH relative to other mammalian serine hydrolases. [1]. Cell permeable.

References:

- 1) Ahn et al. (2007), Novel mechanistic class of fatty acid amide hydrolase inhibitors with remarkable selectivity; Biochemistry, 46 13019

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