



PF-622

Data Sheet

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<b>Catalog Number:</b>	MC11053	<b>Product Type:</b>	Small Molecule
<b>Bio-Activity:</b>	FAAH inhibitor	<b>CAS #:</b>	898235-65-9
<b>Research Categories:</b>	Neuroscience, pain	<b>Chemical Name:</b>	N-Phenyl-4-(quinolin-2-ylmethyl)piperazine-1-carboxamide
<b>Solubility:</b>	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 3 mg/ml).	<b>Molecular Formula:</b>	C21H22N4O
<b>Purity:</b>	> 98%	<b>Molecular Weight:</b>	346.44
<b>Format:</b>	Powder	<b>Ship Temp:</b>	Ambient
<b>Storage:</b>	Room Temperature		

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### 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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