

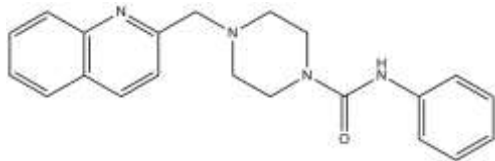
## FAAH Inhibitor, PF-622

**ALTERNATE NAME:** N-Phenyl-4-(quinolin-2-ylmethyl)piperazine-1-carboxamide

**CATALOG #:** 1928-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>22</sub>N<sub>4</sub>O

**MOLECULAR WEIGHT:** 346.43

**CAS NUMBER:** 898235-65-9

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~25 mg/ml) or Ethanol (~ 3 mg/ml)

**PURITY:** ≥98% by TLC

**STORAGE:** Store at -20 °C. Protect from light

**DESCRIPTION:** Cell-permeable. A potent and irreversible FAAH (Fatty Acid Amide Hydrolase) inhibitor. Inhibits FAAH in a time-dependent manner by covalently modifying the enzyme's active site serine (IC<sub>50</sub> = 33nM). It is highly selective for FAAH relative to other mammalian serine hydrolases.

**REFERENCE:** Ahn, K., *et al.* (2007). *Biochemistry* **46**, 13019-13030.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS:**

- Metabolism Assays (A-Z)
- Amino Acids & Proteins
- Carbohydrates
- Coenzymes and Cofactors
- Inorganic Ions
- Intermediary Metabolism
- Lipids Metabolism
- Oxidative Stress
- Serum Components