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**Product Data Sheet**

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Product Name: NF 1819  
Cat. No.: GC50304

**Chemical Properties**

Cas. No. 1881244-28-5

SMILES FC1=CC=C([C@@H]2[C@@H](C3=CC=C4OCOC4=C3)N(C2=O)C5CCN(C(N6C=NC=N6)=O)CC5)C=C1

Formula  $C_{24}H_{22}FN_5O_4$  M.Wt 463.46

Solubility DMSO : 62.5 mg/mL (134.86 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

Potent and selective irreversible MAGL inhibitor (IC<sub>50</sub> values are 0.25 and 7.4 nM at rMAGL and hMAGL, respectively). Exhibits 389-fold selectivity over hFAAH and exhibits minimal binding at CB receptors (IC<sub>50</sub> > 10 μM). Alleviates symptoms in a MS in vivo model. Exhibits analgesic effects in an acute inflammatory pain model in vivo. Ameliorates neuropathic hypersensitivity induced by oxaliplatin . Displays high membrane permeability and brain penetrant.

Brindisi et al (20106) Development and pharmacological characterization of selective blockers of 2-arachidonoyl glycerol degradation with efficacy in rodent models of multiple sclerosis and pain. J.Med.Chem. 59 2612 PMID:26888301

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

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