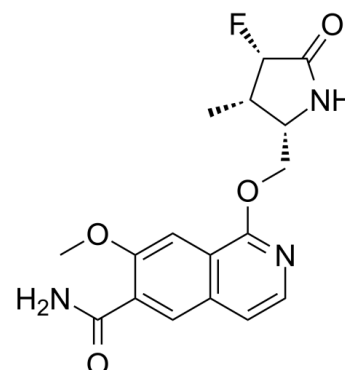


Data Sheet

| | |
|---------------------------|--|
| Product Name: | PF-06426779 |
| Cat. No.: | CS-0086581 |
| CAS No.: | 1817628-40-2 |
| Molecular Formula: | C ₁₇ H ₁₈ FN ₃ O ₄ |
| Molecular Weight: | 347.34 |
| Target: | IRAK |
| Pathway: | Immunology/Inflammation |
| Solubility: | DMSO : 100 mg/mL (287.90 mM; Need ultrasonic) |



BIOLOGICAL ACTIVITY:

PF-06426779 is a potent and selective inhibitor of **interleukin-1 receptor associated kinase 4 (IRAK4)**, with an **IC₅₀** of 0.3 nM^[1].
In Vitro: PF-06426779 inhibits IRAK4, with an IC₅₀ of 12.7 nM in the peripheral blood mononuclear cells (PBMCs) assay^[1].

References:

[1]. Lee KL, et. al. Discovery of Clinical Candidate 1-[(2S,3S,4S)-3-Ethyl-4-fluoro-5-oxopyrrolidin-2-yl]methoxy-7-methoxyisoquinoline-6-carboxamide (PF-06650833), a Potent, Selective Inhibitor of Interleukin-1 Receptor Associated Kinase 4 (IRAK4), by Fragment-Based Drug Design. J Med Chem. 2017 Jul 13; 60(13): 5521-5542.

CAIndexNames:

6-Isoquinolinecarboxamide, 1-[[[(2S,3S,4S)-4-fluoro-3-methyl-5-oxo-2-pyrrolidinyl]methoxy]-7-methoxy-

SMILES:

O=C(C1=CC2=C(C(OC[C@H]([C@H](C)[C@@H]3F)NC3=O)=NC=C2)C=C1OC)N

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

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