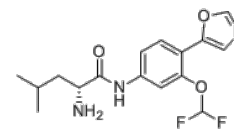


**Product Name** : BMS-911172  
**Cat. No.** : PC-20649  
**CAS No.** : 1644248-18-9  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>F<sub>2</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 339.34  
**Target** : AP2-associated Kinase 1 (AAK1)  
**Solubility** : 10 mM in DMSO



CAS: 1644248-18-9

### Biological Activity

BMS-911172 (BMS 911172) is a potent, selective and brain penetrant adaptor protein 2-associated kinase 1 (**AAK1**) inhibitor with IC<sub>50</sub> of 12 nM.

BMS-911172 exhibits good overall kinase selectivity in a panel consisting of 391 kinases (Ambit/DiscoverX/Eurofins).

BMS-911172 (60 mg/kg, sc) effectively reduced  $\mu$ 2 phosphorylation following acute administration in C57BL6 mice.

BMS-911172 (30 mg/kg, sc) reduces phase II formalin nociceptive behaviors in rats.

BMS-911172 (60 mg/kg, sc) reduces thermal hyperalgesia and mechanical hyperalgesia in CCI rats.

### References

Richard A Hartz, et al. *J. Med. Chem.* 2021, 64, 15, 11090–11128.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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