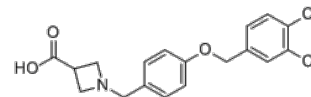


**Product Name** : A-971432  
**Cat. No.** : PC-20833  
**CAS No.** : 1240308-45-5  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>3</sub>  
**Molecular Weight** : 366.24  
**Target** : Lysophospholipid Receptor  
**Solubility** : 10 mM in DMSO



CAS: 1240308-45-5

## Biological Activity

A-971432 is a potent, highly selective, CNS-penetrant and orally bioavailable agonist of **S1P5** receptor with EC<sub>50</sub> values of 4.1 and 5.7 nM in cAMP and GTPγS assays, respectively.

A-971432 displays 60-fold selectivity over S1P1, and >1,600-fold selectivity over S1P2-4, and a panel of 129 kinases and 79 receptors.

A-971432 improves blood-brain barrier integrity in an in vitro model and reverses age-related cognitive decline in mice.

## References

Hobson AD, et al. *J Med Chem.* 2015 Dec 10;58(23):9154-70.

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

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