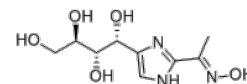


**Product Name** : LX2931  
**Cat. No.** : PC-60694  
**CAS No.** : 948840-25-3  
**Molecular Formula** : C<sub>9</sub>H<sub>15</sub>N<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 245.235  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

LX2931 is a potent, selective and orally bioavailable **S1P lyase** (S1PL) inhibitor.

LX2931 dose-dependently decreases circulating lymphocyte numbers in multiple species and shows a therapeutic effect in rodent models of rheumatoid arthritis (RA).

LX2931 also increases S1P levels in F508del CFTR mutant mice, reduces MUC5AC and proinflammatory cytokine levels toward normal values.

## References

Bagdanoff JT, et al. *J Med Chem.* 2010 Dec 23;53(24):8650-62.

Veltman M, et al. *Am J Physiol Lung Cell Mol Physiol.* 2016 Nov 1;311(5):L1000-L1014.

Finney CA, et al. *Mol Med.* 2011;17(7-8):717-25.

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

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