

## Product Datasheet

### CYM 5442 hydrochloride (orb3033108)

|                        |  |
|------------------------|--|
| <b>Catalog Number</b>  | orb3033108   |
| <b>Category</b>        | Small Molecules  |
| <b>Description</b>     | CYM5442 hydrochloride is a potent, highly-selective and orally active sphingosine 1-phosphate (S1P1) receptor agonist with an EC50 of 1.35 nM. CYM5442 hydrochloride is inactive against S1P2, S1P3, S1P4, and S1P5. CYM5442 hydrochloride activates S1P1-dependent p42/p44-MAPK phosphorylation. CYM5442 exerts retinal neuroprotection. CYM5442 hydrochloride can easily penetrate the central nervous system (CNS). |
| <b>Purity</b>          | >98%   |
| <b>MW</b>              | 445.939125061035   |
| <b>CAS Number</b>      | 1783987-80-3   |
| <b>Formula</b>         | C <sub>23</sub> H <sub>28</sub> CLN <sub>3</sub> O <sub>4</sub>  |
| <b>SMILES</b>          | Cl.O1C(C2C=CC(=C(C=2)OCC)OCC)=NC(C2=CC=CC3=C2CCC3NCCO)=N1  |
| <b>Note</b>            | For research use only  |
| <b>Expiration Date</b> | 12 months from date of receipt.  |

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