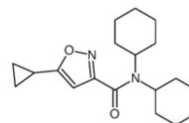


Product Name	: CYM 5541
Synonyms	: CYM-5541; CYM 5541; CYM5541
Cat No.	: M17684
CAS Number	: 945128-26-7
Molecular Formula	: C ₁₉ H ₂₈ N ₂ O ₂
Formula Weight	: 316.44
Chemical Name	: N,N-dicyclohexyl-5-cyclopropyl-3-isoxazolecarboxamide
Description	: CYM-5541 is a selective, allosteric agonist of S1P ₃ (EC ₅₀ = 72-132 nM). Sphingosine 1-phosphate (S1P) is a lysophospholipid signaling molecule that regulates important biological functions, including lymphocyte trafficking and vascular development, by activating G protein-coupled receptors for S1P, namely, S1P ₁ (1) through S1P ₅ (5).
Pathway	: Metabolic Enzyme/Protease
Target	: NAMPT
Receptor	: S1P ₃
Solubility	: DMSO : ≥ 39 mg/mL; 123.25 mM
SMILES	: <chem>C1CCC(CC1)N(C1CCCCC1)C(=O)c1noc(c1)C1CC1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Jo E, et al. Novel selective allosteric and bitopic ligands for the S1P₃ receptor. ACS Chem Biol. 2012 Dec 21;7(12):1975-83.