

Product Name	: Laropiprant
Synonyms	: MK 0524;MK-0524
Cat No.	: M15081
CAS Number	: 571170-77-9
Molecular Formula	: C ₂₁ H ₁₉ ClFNO ₄ S
Formula Weight	: 435.90
Chemical Name	: Cyclopent[b]indole-3-acetic acid, 4-[(4-chlorophenyl)methyl]-7-fluoro-1,2,3,4-tetrahydro-5-(methylsulfonyl)-, (3R)-
Description	: A potent and selective prostaglandin D ₂ (PGD ₂) receptor (DP ₁) antagonist with K _i of 0.57 nM; shows weaker affinity for TP (K _i =2.95 nM), no significant activity on EP ₁ , EP ₂ , EP ₃ , EP ₄ , FP, and IP; inhibits the accumulation of cAMP in washed platelets and in platelet-rich plasma challenged with PGD with IC ₅₀ of 0.09 nM and 4 nM, respectively; displays an excellent rat pharmacokinetic profile and efficacious in a sheep model of allergic rhinitis. Dyslipidemia Withdrawn
Pathway	: GPCR/G Protein
Target	: Prostaglandin Receptor
Receptor	: Prostaglandin Receptor
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(O)C[C@H]1CCCC=C1N(CC3=CC=C(Cl)C=C3)C4=C2C=C(F)C=C4S(=O)(C)C=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sturino CF, et al. J Med Chem. 2007 Feb 22;50(4):794-806. | 2. Cheng K, et al. Proc Natl Acad Sci U S A. 2006 Apr 25;103(17):6682-7. | 3. Philip G, et al. J Allergy Clin Immunol. 2009 Nov;124(5):942-8.e1-9.

