

Laropiprant

Catalog No: tcsc0539



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

571170-77-9

Formula:

$C_{21}H_{19}ClFNO_4S$

Pathway:

GPCR/G Protein

Target:

Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

MK-0524

Observed Molecular Weight:

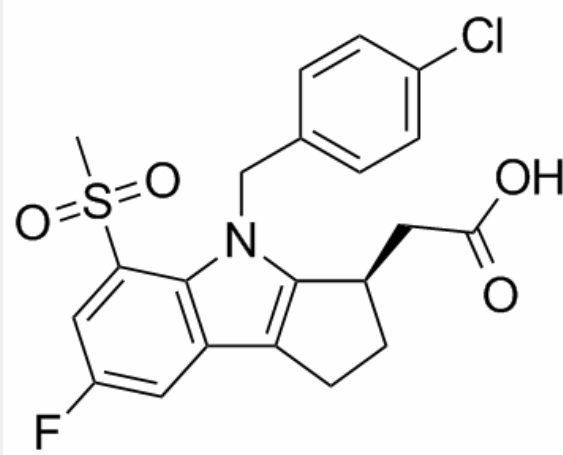
435.9

Product Description

Laropiprant is a potent, selective **DP receptor** antagonist with K_i values of 0.57 nM and 2.95 nM for DP receptor and TP Receptor, respectively.

IC50 & Target: K_i : 0.57 nM (DP receptor)^[1]

In Vitro: Laropiprant is a potent, selective DP receptor antagonist with K_i values of 0.57 nM and 2.95 nM for DP receptor and TP Receptor, respectively.^[1] Laropiprant (1 μ M) causes a significant inhibition of the aggregation but still counteracts the pronounced inhibition caused by PGD2 (30 nM) and BW245c (3 nM). Laropiprant blocks DP receptor-dependent increase in VASP phosphorylation, as well as inhibition of P-selectin expression, GPIIb/IIIa activation and in vitro thrombus formation. Laropiprant antagonizes the increased platelet aggregation by TP and EP3 receptor activation. Laropiprant (10 μ M) and niacin inhibit in vitro thrombus formation ^[2].



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