Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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

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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: Ki: 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 μM) causes a significant inhibition of the aggregation but still counteractes 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 μM) and niacin inhibit in vitro thrombus formation [2].