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

DMP 777

Catalog No: tcsc0355

Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Specifications

CAS No:
157341-41-8

Formula:
$C_{31}H_{40}N_4O_6$

Pathway:
Metabolic Enzyme/Protease

Target:
Elastase

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 50 mg/mL (88.55 mM)

Alternative Names:
L-694458

Observed Molecular Weight:
564.67

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Product Description

DMP 777 is a potent, selective, and orally active human **leukocyte elastase (HLE)** inhibitor.

In Vivo: DMP-777-treated rats show a marked decrease in H/K-ATPase staining parietal cells. DMP-777-induced loss of parietal cells is significantly ameliorated with coadministration of omeprazole. DMP-777-treated animals demonstrates marked foveolar hyperplasia in the fundus with prominent expansion of diastase-resistant, PAS-positive surface mucous cells. When DMP-777 is coadministered

with omprazole, there is a significant decrease in BrdUpositive S-phase cells compared with rats thatreceive DMP-777 alone[1]. After oral dosing of monkeys at 40 mg/kg with DMP-777 the only stereoisomer detected in the post-dose plasma samples is the starting material DMP-777, and no inversion of the configuration at positions \'a\' and \'b\' of DMP-777 has occurred in vivo[2]. Mist1-/- mice treated with DMP-777 show fewer chief cell to SPEM transitions. Mist1-/- mice treated with L635 demonstrates significantly fewer proliferative SPEM cells compared to control mice[3].