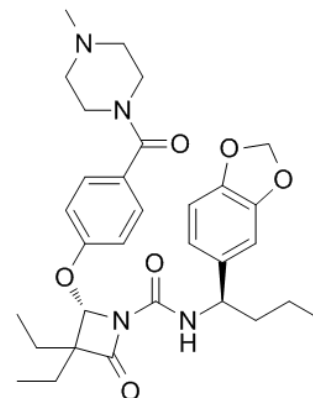


Product Name : DMP-777
Cat. No. : PC-45963
CAS No. : 157341-41-8
Molecular Formula : C₃₁H₄₀N₄O₆
Molecular Weight : 564.6725
Target : Elastase
Solubility : 10 mM in DMSO



Biological Activity

DMP-777 (L-694458, DMP777) is a potent, selective, and orally active human leukocyte elastase (**HLE**) inhibitor with IC₅₀ of 23 nM.

DMP-777 displays >40-fold selectivity over thrombin and chymotrypsin.

DMP-777 leads to the rapid emergence of spasmolytic polypeptide/trefoil factor family 2 (TFF2)-expressing metaplasia (SPEM) from the bases of fundic glands in gastrin-deficient mice.

References

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Nozaki K, et al. *Gastroenterology*. 2008 Feb;134(2):511-22.

Macdonald SJ, et al. *J Med Chem*. 1998 Oct 8;41(21):3919-22.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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