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**Product Data Sheet**

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Product Name: CMI977 (LDP977)

Cat. No.: GC31961

**Chemical Properties**

Cas. No. 175212-04-1

SMILES O=C(N)N(CCC#C[C@H]1O[C@H](COC2=CC=C(F)C=C2)CC1)OFormula  $C_{16}H_{19}FN_2O_4$  M.Wt 322.33

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

CMI977 is a potent 5-Lipoxygenase (5-LO) inhibitor.

CMI977 is a potent 5-lipoxygenase (5-LO) inhibitor that intervenes in the production of leukotrienes and is presently being developed for the treatment of chronic asthma. It is a single enantiomer with an all-trans (2S,5S) configuration. Of the four isomers of CMI977, the S,S isomer is found to have the best biological activity and is selected for further development.

[1]. Xiong Cai, et al. Synthesis of CMI-977, a Potent 5-Lipoxygenase Inhibitor. Org. Proc. Res. Dev., 1999, 3 (1), pp 73-76.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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