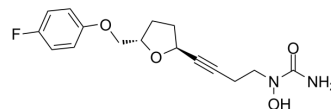


## CMI977

Cat. No.:	HY-U00260
CAS No.:	175212-04-1
Molecular Formula:	C <sub>16</sub> H <sub>19</sub> FN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	322.33
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CMI977 is a potent 5-Lipoxygenase (5-LO) inhibitor.
IC <sub>50</sub> & Target	5-LO
In Vitro	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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[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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