

## CRA-2059 hydrochloride

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	CRA-2059 hydrochloride is a highly specific and selective tryptase inhibitor, exhibiting a $K_i$ of 620 pM for recombinant human tryptase- $\beta$ (rHT $\beta$ )[1][2].
Targets(IC50)	Others,Serine Protease
In vitro	Tryptase, a trypsin-like serine protease predominantly located in the secretory granules of human mast cells, plays a crucial role in the body's immune response. CRA-2059 hydrochloride, due to its properties, shows promise for research in inflammatory bowel disease (IBD).

## Reference

Tremaine WJ, et al. Treatment of mildly to moderately active ulcerative colitis with a tryptase inhibitor (APC 2059): an open-label pilot study. Aliment Pharmacol Ther. 2002;16(3):407-413.

Selwood T, et al. Potent bivalent inhibition of human tryptase-beta by a synthetic inhibitor. Biol Chem. 2003;384(12):1605-1611.

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