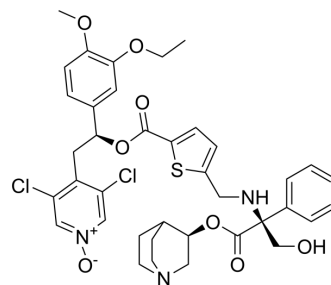


## M3/PDE4 modulator-1

Cat. No.:	HY-155819
Molecular Formula:	C <sub>38</sub> H <sub>41</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>8</sub> S
Molecular Weight:	770.72
Target:	mAChR; Phosphodiesterase (PDE)
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	M3/PDE4 modulator-1 (compound 10f) is a bifunctional molecule that is an M3 mAChR antagonist and a PDE4 inhibitor. M3/PDE4 modulator-1 (10-1000 nM/kg; iv) reduces cysteine eosinophil influx in the OVA rat model <sup>[1]</sup> .
IC <sub>50</sub> & Target	M3 mAChR, PDE4 <sup>[1]</sup>

### REFERENCES

[1]. Rizzi A, et al. Optimization of M3 Antagonist-PDE4 Inhibitor (MAPI) Dual Pharmacology Molecules for the Treatment of COPD. J Med Chem. 2023 Aug 24;66(16):11476-11497..

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

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