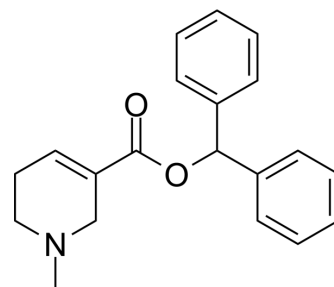


M1 ligand 1

Cat. No.:	HY-146102
CAS No.:	2479356-53-9
Molecular Formula:	C ₂₀ H ₂₁ NO ₂
Molecular Weight:	307.39
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	M1 ligand 1 (compound 3b-b) is a muscarinic acetylcholine receptor M1 ligand. M1 ligand 1 is a N-desmethyl congener of arecoline derivative. M1 ligand 1 can be used as PET (positron emission tomography) radiotracer ^[1] .
IC ₅₀ & Target	mAChR1

REFERENCES

[1]. Ozenil M, et al. Enhanced arecoline derivatives as muscarinic acetylcholine receptor M1 ligands for potential application as PET radiotracers. Eur J Med Chem. 2020 Oct 15;204:112623.

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

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