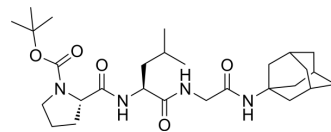


Boc-MIF-1-Am

Cat. No.:	HY-155466
Molecular Formula:	C ₂₈ H ₄₆ N ₄ O ₅
Molecular Weight:	518.69
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Boc-MIF-1-Am (compound 2) is a human dopamine D2 receptor enhancer (EC ₅₀ =17.82 nM) and is a bioconjugate of melanostatin (MIF-1) and amantadine. Boc-MIF-1-Am (200 μM) exhibited mild neurotoxicity in SH-SY5Y cells ^[1] .
IC ₅₀ & Target	EC ₅₀ : 17.82 nM (human dopamine D2 receptors, hD2R) ^[1]

REFERENCES

[1]. Silva-Reis S C et al. Stapling Amantadine to Melanostatin Neuropeptide: Discovery of Potent Positive Allosteric Modulators of the D2 Receptors[J]. ACS Medicinal Chemistry Letters, 2023.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA