(D-Phe5,Cys6,11,N-Me-D-Trp8)-Somatostatin-14 (5-12) amide

Cat. No.:	HY-P4555
CAS No.:	340821-13-8
Molecular Formula:	$C_{50}H_{67}N_{11}O_{10}S_2$
Molecular Weight:	1046.26
Sequence:	{d-Phe}-Cys-Phe-{d-Trp(N-Me)}-Lys-Thr-Cys-Thr-NH2 (Disulfide bridge: Cys2-Cys7)
Sequence Shortening:	{d-Phe}-CF-{d-Trp(N-Me)}-KTCT-NH2 (Disulfide bridge: Cys2-Cys7)
Target:	Somatostatin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	(D-Phe5,Cys6,11,N-Me-D-Trp8)-Somatostatin-14 (5-12) amide (Compound 4) is a somatostatin analog with K_ds of 0.61, 11.05, 23.5, 1200 and >1000 nM for SSTR5, SSTR3, SSTR2, SSTR1 and SSTR4, respectively[1].
IC_{50} & Target	Kd: 0.61 nM (SSTR5), 11.05 nM (SSTR3), 23.5 nM (SSTR2), 1200 nM (SSTR1), >1000 nM (SSTR4)[1]

REFERENCES

[1]. Nikiforovich GV, et al. Molecular modeling suggests conformational scaffolds specifically targeting five subtypes of somatostatin receptors. Chem Biol Drug Des. 2007 Mar;69(3):163-9.

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