



Teneligliptin hydrobromide

Cat. No.:	OB0225WX-2598
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	20 mg; 100 mg; 200 mg; 500 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description

Teneligliptin is a potent and long-lasting inhibitor of dipeptidyl peptidase-4 (DPP-4), competitively inhibiting the human recombinant enzyme with an IC₅₀ value of approximately 1 nM.

Synonym

Teneligliptin hydrobromide anhydrous; 906093-29-6; Teneligliptin; 760937-92-6; [(2S,4S)-4-[4-(5-methyl-2-phenylpyrazol-3-yl)piperazin-1-yl]pyrrolidin-2-yl]-(1,3-thiazolidin-3-yl)methanone; Teliglietin; Teneli; {(2s,4s)-4-[4-(3-Methyl-1-Phenyl-1H-Pyrazol-5-Yl)piperazin-1-Yl]pyrrolidin-2-Yl}(1,3-Thiazolidin-3-Yl)methanone; teneligliptina; teneligliptine; teneligliptinum; ((2S,4< i>S)-4-(4-(5-methyl-2-phenylpyrazol-3-yl)piperazin-1-yl)pyrrolidin-2-yl)-(1,3-thiazolidin-3-yl)methanone; [(2S,4S)-4-[4-(3-Methyl-1-phenyl-1H-pyrazol-5-yl)-1-piperazinyl]-2-pyrrolidinyl]-3-thiazolidinylmethanone Hydrobromide (2:5); 3-[[[(2S,4S)-4-[4-(3-Methyl-1-phenyl-1H-pyrazol-5-yl)-1-piperazinyl]-2-pyrrolidinyl]carbonyl]thiazolidine Hydrobromide (2:5); Tenelia Hydrobromide (2:5); 1-(3-methyl-1-phenyl-1H-pyrazol-5-yl)-4-[(3S,5S)-5-(1,3-thiazolidine-3-carbonyl)pyrrolidin-3-yl]piperazine; 1-(3-methyl-1-phenyl-1H-pyrazol-5-yl)-4-[(3S,5S)-5-(1,3-thiazolidine-3-carbonyl)pyrrolidin-3-yl]piperazine; [(2S,4S)-4-[4-(3-Methyl-1-phenyl-1H-pyrazol-5-yl)-1-piperazinyl]-2-pyrrolidinyl]-3-thiazolidinylmethanone

CAS No.	906093-29-6
Compound CID	11949652
Formula	C ₂₂ H ₃₀ N ₆ OS·5/2HBr



Formula Weight 628.86

Specification

IUPAC Name	[(2S,4S)-4-[4-(5-Methyl-2-phenylpyrazol-3-yl)piperazin-1-yl]pyrrolidin-2-yl]-(1,3-thiazolidin-3-yl)methanone
InChI	InChI=1S/C22H30N6OS/c1-17-13-21(28(24-17)18-5-3-2-4-6-18)26-9-7-25(8-10-26)19-14-20(23-15-19)22(29)27-11-12-30-16-27/h2-6,13,19-20,23H,7-12,14-16H2,1H3/t19-,20-/m0/s1
InChI Key	WGRQANOPCQRCME-PMACEKPBSA-N
SMILES string	<chem>CC1=NN(C(=C1)N2CCN(CC2)[C@H]3C[C@H](NC3)C(=O)N4CCSC4)C5=CC=CC=C5</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Teneligliptin hydrobromide is used in metabolic research as a potent DPP-4 inhibitor to investigate the enhancement of incretin hormone activity and the regulation of postprandial glucose excursions.

Library Information

Target	DPP
Receptor	DPP4
Pathways	Proteases
Plate Number	L6700-06
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	100 mg/mL; 159.02 mM
Water Max Solubility	100 mg/mL; 159.02 mM
ALogP	2.645
HBA_Count	2
HBD_Count	1
Rotatable Bond	4