

Nedisertib

Cat. No.:	OB0225WX-2276
Purity:	≥95%
Identity:	Confirmed by NMR.
Size:	5 mg; 10 mg; 100 mg; 500 mg; 1 g

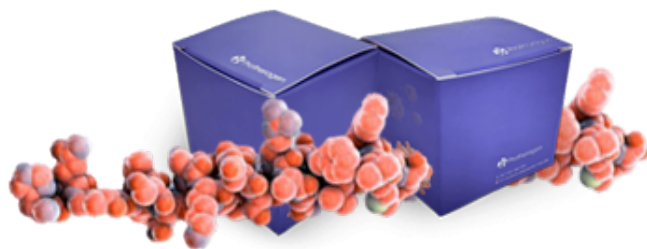
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Nedisertib is a highly specific small molecule inhibitor of DNA-dependent protein kinase (DNA-PK) featuring a potent IC50 value of less than 3 nM.
Synonym	M3814; 1637542-33-6; peposertib; M-3814; MSC-2490484A; (S)-[2-chloro-4-fluoro-5-(7-morpholin-4-ylquinazolin-4-yl)phenyl]-(6-methoxypyridazin-3-yl)methanol; (S)-(2-chloro-4-fluoro-5-(7-morpholinoquinazolin-4-yl)phenyl)(6-methoxypyridazin-3-yl)methanol; (~{S})-[2-chloranyl-4-fluoranyl-5-(7-morpholin-4-ylquinazolin-4-yl)phenyl]-(6-methoxypyridazin-3-yl)methanol; (S)-(2-chloro-4-fluoro-5-(7-morpholin-4-ylquinazolin-4-yl)phenyl)-(6-methoxypyridazin-3-yl)methanol; 1IX; 3-Pyridazinemethanol, alpha-(2-chloro-4-fluoro-5-(7-(4-morpholinyl)-4-quinazolinyl)phenyl)-6-methoxy-, (alphaS)-
CAS No.	1637542-33-6
Compound CID	86292849
Formula	C ₂₄ H ₂₁ ClFN ₅ O ₃
Formula Weight	481.91

Specification

IUPAC Name	(S)-[2-Chloro-4-fluoro-5-(7-morpholin-4-ylquinazolin-4-yl)phenyl]-(6-methoxypyridazin-3-yl)methanol
InChI	InChI=1S/C24H21ClFN5O3/c1-33-22-5-4-20(29-30-22)24(32)16-11-17(19(26)12-18(16)25)23-15-3-2-14(10-21(15)27-13-28-23)31-6-8-34-9-7-31/h2-5,10-13,24,32H,6-9H2,1H3/t24-/m0/s1



InChI Key	MOWXJLUYGFNTAL-DEOSSOPVSA-N
SMILES string	<chem>COC1=NN=C(C=C1)[C@H](C2=C(C=C(C(=C2)C3=NC=NC4=C3C=CC(=C4)N5CCOCC5)F)Cl)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Nedisertib is employed in advanced oncology research as a highly selective and potent DNA-PK inhibitor to investigate the disruption of DNA damage repair signaling in various solid tumors.

Library Information

Target	DNA-PK
Receptor	DNA-PK
Pathways	DNA damage/DNA repair; PI3K/Akt/mTOR signaling
Plate Number	AOCL-30
Plate Location	b5
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO