

Deltarasin

Cat. No.:	OB0225LY-0073
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR and HPLC.
Size:	2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

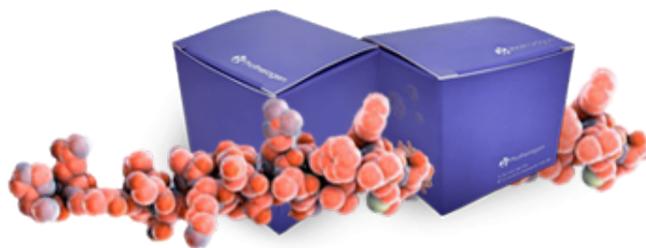
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Deltarasin is a new type of small molecule compound, which mainly achieves its effect by interfering with the metabolic and proliferative signaling pathways of cancer cells.
Synonym	1440898-61-2; 1-Benzyl-2-[4-[(2S)-2-(2-phenylbenzimidazol-1-yl)-2-piperidin-4-ylethoxy]phenyl]benzimidazole; (S)-1-Benzyl-2-[4-(2-(2-phenyl-1H-benzimidazol-1-yl)-2-(piperidin-4-yl)ethoxy)phenyl]-1H-benzimidazole; 1-Benzyl-2-[4-[(2S)-2-(2-phenyl-1H-1,3-benzodiazol-1-yl)-2-(piperidin-4-yl)ethoxy]phenyl]-1H-1,3-benzodiazole
CAS No.	1440898-61-2
Compound CID	73292904
Formula	C ₄₀ H ₃₇ N ₅ O
Formula Weight	603.75

Specification

Relative Density	1.23 g/cm ³
IUPAC Name	1-Benzyl-2-[4-[(2S)-2-(2-phenylbenzimidazol-1-yl)-2-piperidin-4-ylethoxy]phenyl]benzimidazole
InChI	InChI=1S/C40H37N5O/c1-3-11-29(12-4-1)27-44-36-17-9-7-15-34(36)42-39(44)32-19-21-33(22-20-32)46-28-38(30-23-25-41-26-24-30)45-37-18-10-8-16-35(37)43-40(45)31-13-5-2-6-14-31/h1-22,30,38,41H,23-28H2/t38-m/s1



InChI Key	LTKEDSUXKTTTC-KXQ00QHDSA-N
SMILES string	<chem>C1CNCCC1[C@@H](COC2=CC=C(C=C2)C3=NC4=CC=CC=C4N3CC5=CC=CC=C5)N6C7=CC=CC=C7N=C6C8=CC=CC=C8</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Deltarasin can be used for cell proliferation-related tumor research.

Library Information

Targets	PDE family; GTPase superfamily
Receptors	PDE6; phosphodiesterase; Ras
Pathways	Metabolism; GPCR/G protein; MAPK
Plate Number	AOCL-1
Plate Location	h5
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	93 mg/mL; 154 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	93 mg/mL; 154 mM