

Product Information

PI3K inhibitor PX-866, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ151

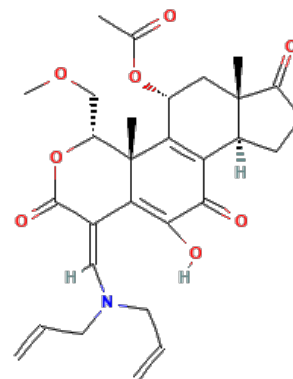
Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 502632-66-8

Compound CID: 9849735

Synonym: 502632-66-8; PX866; Sonolisib; PI3K inhibitor

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



Product Information

Description	PX-866 is a potent compound that inhibits PI3 kinase activity. It targets p110 α , p110 δ , and p120 γ .
Molecular Weight	525.2
Molecular Formula	C ₂₉ H ₃₅ NO ₈
Targets	p110 α : 0.1 nM; p110 δ : 2.9 nM; p120 γ : 1 nM (IC ₅₀)
IUPAC Name	[(3 <i>aR</i> ,6 <i>E</i> ,9 <i>S</i> ,9 <i>aR</i> ,10 <i>R</i> ,11 <i>aS</i>)-6-[[bis(prop-2-enyl)amino]methylidene]-5-hydroxy-9-(methoxymethyl)-9 <i>a</i> ,11 <i>a</i> -dimethyl-1,4,7-trioxo-2,3,3 <i>a</i> ,9,10,11-hexahydroindeno[4,5- <i>h</i>]isochromen-10-yl] acetate
InChI	InChI=1S/C29H35NO8/c1-7-11-30(12-8-2)14-17-23-26(34)25(33)22-18-9-10-20(32)28(18,4)13-19(37-16(3)31)24(22)29(23,5)21(15-36-6)38-27(17)35/h7-8,14,18-19,21,34H,1-2,9-13,15H2,3-6H3/b17-14+/t18-,19+,21+,28-,29-/m0/s1
InChI Key	QUIASFNSWYMDFS-NILGECQDSA-N
Canonical SMILES	CC(=O)OC1CC2(C(CCC2=O)C3=C1C4(C(OC(=O)C(=CN(CC=C)CC=C)C4=C(C3=O)O)COC)C)C
Isomeric SMILES	CC(=O)O[C@@H]1C[C@]2([C@@H](CCC2=O)C3=C1[C@]4([C@H](OC(=O)C(=C/N(CC=C)CC=C)C)/C4=C(C3=O)O)COC)C)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PX-866 is used to investigate the inhibition of PI3K and its impact on tumor growth and metastasis.



Storage

Store at -20°C.
