

Product datasheet

Akt Inhibitor (Akti-1/2), Akt1/2 kinase inhibitor ab142088

[18 References](#) [1 Image](#)

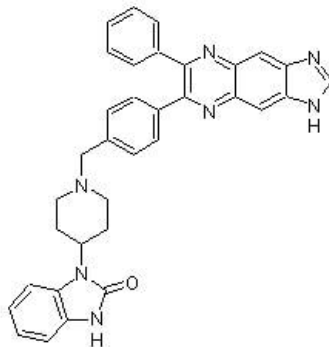
Overview

Product name	Akt Inhibitor (Akti-1/2), Akt1/2 kinase inhibitor
Description	Potent isozyme selective Akt1/2 kinase inhibitor
Biological description	Potent isozyme selective Akt1/2 kinase inhibitor. (IC ₅₀ values are 58, 210 nM and 2.12 mM for Akt1, Akt2, and Akt3, respectively). No inhibition against pleckstrin homology (PH) domain-lacking Akts, PKA, PKC and SGK.

Purity > 99%

CAS Number 612847-09-3

Chemical structure



Properties

Chemical name	3-[1-[[4-(7-Phenyl-3H-imidazo[4,5-g]quinoxalin-6-yl)phenyl]methyl]piperidin-4-yl]-1H-benzimidazol-2-one
Molecular weight	551.65
Molecular formula	C ₃₄ H ₂₉ N ₇ O
PubChem identifier	10196499
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in

tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

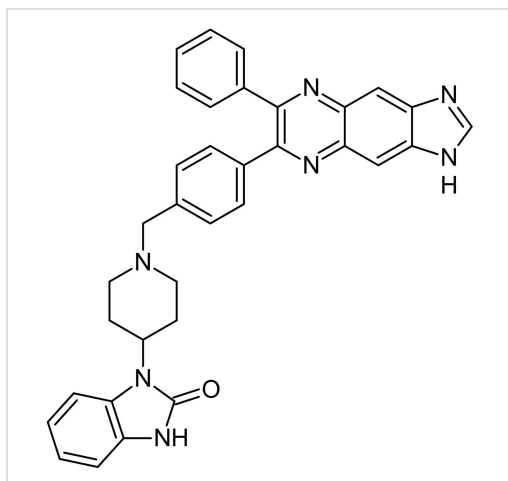
SMILES

C1CN(CCC1N2C3=CC=CC=C3NC2=O)CC4=CC=C(C=C4)C5=NC6=CC7=C(C=C6N=C5C8=CC=CC=C8)N=CN7

Source

Synthetic

Images



2D chemical structure image of ab142088, Akt Inhibitor (Akti-1/2), Akt1/2 kinase inhibitor

Chemical Structure - Akt Inhibitor (Akti-1/2), Akt1/2 kinase inhibitor (ab142088)

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