

Product Name : Linsitinib

Synonyms : ASP-7487; ASP 7487; OSI-906; OSI906

Cat No. : M16302

CAS Number : 867160-71-2

Molecular Formula : C₂₆H₂₃N₅O

Formula Weight : 421.49

Chemical Name : Cyclobutanol, 3-[8-amino-1-(2-phenyl-7-quinolinyl)imidazo[1,5-a]pyrazin-3-yl]-1-methyl-, cis-

Description

Linsitinib (ASP-7487, OSI-906) is a potent, selective, orally active, dual IGF-1R/insulin receptor inhibitor with IC₅₀ of 35/75 nM, respectively; potently and selectively inhibits autophosphorylation of both human IGF-1R and IR, displays in vitro antiproliferative effects in a variety of tumor cell lines and shows robust in vivo anti-tumor efficacy in an IGF-1R-driven xenograft model. Liver Cancer Phase 3 Clinical

Pathway : Angiogenesis

Target : IGF-1R

Receptor : IGF-1R; Insulin Receptor; IRR

Solubility : 10 mM in DMSO

SMILES : O[C@@]1(C)C[C@H](C2=NC(C3=CC=C4C=CC(C5=CC=CC=C5)=NC4=C3)=C6C(N)=NC=CN62)C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mulvihill MJ, et al. Future Med Chem. 2009 Sep;1(6):1153-71. | 2. Pitts TM, et al. Clin Cancer Res. 2010 Jun 15;16(12):3193-204. | 3. Buck E, et al. Mol Cancer Ther. 2010 Oct;9(10):2652-64. | 4. Kuhn DJ, et al. Blood. 2012 Oct 18;120(16):3260-70.

