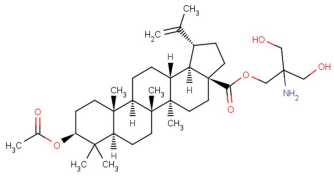
Data Sheet (Cat.No.T16368)

NVX-207

Chemical Properties



CAS No.:	745020-66-0
Formula:	C36H59NO6
Molecular Weight:	601.86
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	NVX-207 is a derivative of betulinic acid. It has anti-cancer activity.
Targets(IC_{50})	Others: None
In vitro	NVX-207 decreases cell death via apoptosis. NVX-207 has high cytotoxicity (IC50: ranging from 7.6-8.5 μM), in the three analyzed malignant glioma cell lines. NVX-207 leads to PARP cleavage and to a decrease in Survivin expression levels under normoxic and hypoxic conditions. NVX-207 displays anti-tumor activity (mean IC50 = 3.5 μM) against various human and canine cell lines. NVX-207-induced apoptosis is associated with activation of the intrinsic apoptotic pathway via cleavage of caspases -9, -3, -7, and of poly (ADP-ribose) polymerase (PARP). NVX-207 (20 μM) induces a significantly high rate of necrosis of glioma cell lines[1][2].
In vivo	The intravenous application of NVX-207 is well tolerated in mice[1].

Solubility Information

Solubility	DMSO: 125 mg/mL (207.69 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.662 mL	8.308 mL	16.615 mL
5 mM	0.332 mL	1.662 mL	3.323 mL
10 mM	0.166 mL	0.831 mL	1.662 mL
50 mM	0.033 mL	0.166 mL	0.332 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Willmann M, et al. Characterization of NVX-207, a novel betulinic acid-derived anti-cancer compound. Eur J Clin Invest. 2009 May;39(5):384-94.

2. Bache M, et al. Betulinic acid derivatives NVX-207 and B10 for treatment of glioblastoma--an in vitro study of cytotoxicity and radiosensitization. Int J Mol Sci. 2014 Oct 30;15(11):19777-90.

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