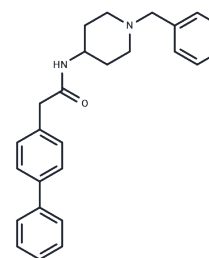


E6-272

Chemical Properties

CAS No. : 945142-65-4
 Formula: C₂₆H₂₈N₂O
 Molecular Weight: 384.51
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	E6-272, an inhibitor of HPV 16 (human papillomavirus 16), induced early and late apoptosis in HPV16-positive cervical cancer cells and inhibited the proliferation of HPV16-infected cells SiHa and CaSki with GI50 values of 32.56 and 62.09 nM, respectively.
Targets(IC50)	Virus Protease
In vitro	Methods: SIHA and CASKI cells were treated with E6-272 (15nM; 30nM, 48 hours) and apoptosis analysis was performed to evaluate the efficacy of E6-272 in inducing apoptosis in cervical cancer cells. Results: E6-272 (15nM) treatment of SIHA cells induced 27.85% early and 8.38% late apoptotic cell populations (Figure 8). E6-272 (30nM) treatment of CASKI cells showed 23.94% and 7.42% early and late apoptotic cell populations, respectively.[1]

Solubility Information

Solubility	DMSO: 8 mg/mL (20.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6007 mL	13.0036 mL	26.0071 mL
5 mM	0.5201 mL	2.6007 mL	5.2014 mL
10 mM	0.2601 mL	1.3004 mL	2.6007 mL
50 mM	0.052 mL	0.2601 mL	0.5201 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kumar A. Human papillomavirus-16 E6-positive cervical cancer attenuated by potent 2-(4-biphenyl)-N-(1-ethyl-4-piperidinyl) acetamide second-generation analogs with improved binding affinity. *Biotechnol Appl Biochem*. 2024 Jul 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481