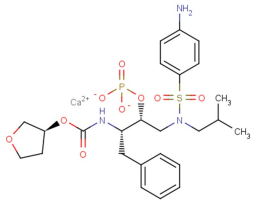
Data Sheet (Cat.No.T8238)

TargetMol
A DRUG SCREENING EXPERT

Fosamprenavir Calcium Salt

Chemical Properties



CAS No.:	226700-81-8
Formula:	C25H34CaN3O9PS
Molecular Weight:	623.67
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Fosamprenavir Calcium Salt (GW433908G) is a phosphate ester prodrug of the antiretroviral protease inhibitor Amprenavir, with improved solubility[1]. Anti-HIV infection[1].
Targets(IC_{50})	HIV: None
In vivo	Oral gavage of DATS significantly retarded growth of PC-3 xenografts in athymic mice without causing weight loss. For instance, 20 days after starting therapy, the average tumor volume in control mice was approximately 3-fold higher compared with DATS-treated mice. Tumors from DATS-treated mice exhibited a markedly higher count of apoptotic bodies compared with control tumors. Consistent with the results in cultured PC-3 cells, the DATS-mediated suppression of PC-3 xenograft growth correlated with induction of proapoptotic proteins Bax and Bak. Although DATS treatment inhibited migration of cultured PC-3 cells in association with down-regulation of vascular endothelial growth factor receptor-2 protein, formation of new blood vessels was comparable in tumors of control and DATS-treated mice as judged by CD31 immunostaining[1].

Solubility Information

Solubility	DMSO: 1.8 mg/mL (2.89 mM) H2O: 0.25 mg/mL (0.40 mM) DMSO: 5mg/ml(28.04mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.603 mL	8.017 mL	16.034 mL
5 mM	0.321 mL	1.603 mL	3.207 mL
10 mM	0.16 mL	0.802 mL	1.603 mL
50 mM	0.032 mL	0.16 mL	0.321 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. Xiao D , Lew K L , Kim Y A , et al. Diallyl Trisulfide Suppresses Growth of PC-3 Human Prostate Cancer Xenograft In vivo in Association with Bax and Bak Induction[J]. Clinical Cancer Research, 2006, 12(22):6836-6843.

2. Michael P , Silvia S . Dietary Bioactive Diallyl Trisulfide in Cancer Prevention and Treatment[J]. International Journal of Molecular Sciences, 2017, 18(8):1645-.

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