Data Sheet (Cat.No.T41116)

TargetMol

FV-100

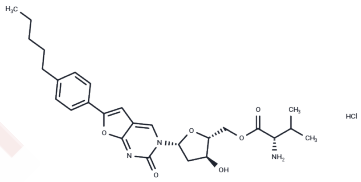
Chemical Properties

CAS No. : 956483-03-7

Formula: C27H36ClN3O6

Molecular Weight: 534.04

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	FV-100 (Valnivudine HCl) is a potent, selective and orally active anti-vaxx-zoster agent. FV-100 is the API for CF-1743.FV-100 exhibits very low toxicity in vivo.FV-100 is a potent, selective and orally active anti-vaxx-zoster agent.FV-100 is the API for CF-1743.FV-100 exhibits very low toxicity in vivo.
Targets(IC50)	Others,Antiviral
In vitro	FV-100 (1 h) produces a different distribution in HeLa cells.[1]
In vivo	FV-100 (50-500 mg/kg; oral) does not induce biologically relevant respiratory changes or significant neuropharmacological effects in rats.[2]

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8725 mL	9.3626 mL	18.7252 mL
5 mM	0.3745 mL	1.8725 mL	3.745 mL
10 mM	0.1873 mL	0.9363 mL	1.8725 mL
50 mM	0.0375 mL	0.1873 mL	0.3745 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

Migliore M, et, al. FV-100: the most potent and selective anti-varicella zoster virus agent reported to date. Antivir Chem Chemother. 2010 ; 20(3):107-115.

Pentikis HS, et, al. Pharmacokinetics and safety of FV-100, a novel oral anti-herpes zoster nucleoside analogue, administered in single and multiple doses to healthy young adult and elderly adult volunteers. Antimicrob Agents Chemother. 2011 ; 55(6):2847-2854.

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