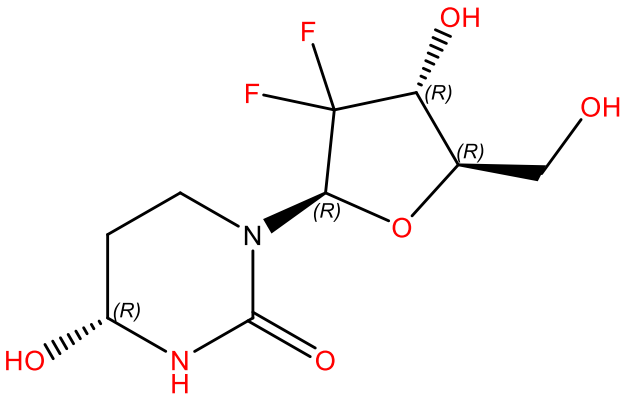
Name: Cedazuridine Cat#: EX-A5549

Structure



Chemical Name	(4R)-2′-Deoxy-2′,2′-difluoro-3,4,5,6-tetrahydrouridine

Molecular Weight	268.2147	Storage	3 years -20°C powder 6 months -80°C in solvent Away from light
Formula	C9H14F2N2O5		
CAS No.	1141397-80-9	Synonyms	N/A

Solubility (25°C) *	In vitro	DMSO	N/A
		Ethanol	N/A
		Water	Soluble
	In vivo （should be freshly prepared each time）		

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Selleck tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.

Preparing Stock Solutions:

Mass / Volume / Concentration	1 mg	5 mg	10 mg
1 mM	3.7284 mL	18.6418 mL	37.2836 mL
5 mM	0. 7457 mL	3.7284 mL	7.4567 mL
10 mM	0. 3728 mL	1.8642 mL	3.7284 mL

Biological Activities:

Description	Cedazuridine (E7727) is a a tetrahydrouridine-derived, orally available cytidine deaminase (CDA) inhibitor.

Targets	
In vitro	
In vivo	
References	[1]. Ferraris, Dana et al. Design, synthesis, and pharmacological evaluation of fluorinated tetrahydrouridine derivatives as inhibitors of cytidine deaminase. Journal of medicinal chemistry vol. 57,6 (2014): 2582-8. [2]. Preparation of 2'-fluoro-2'-deoxytetrahydrouridines as cytidine deaminase inhibitors. WO2009052287 A1. > [3]. Yu, Jingjing et al. Pharmacokinetic Drug-Drug Interactions with Drugs Approved by the US Food and Drug Administration in 2020: Mechanistic Understanding and Clinical Recommendations. Drug metabolism and disposition: the biological fate of chemicals vol. 50,1 (2022): 1-7.