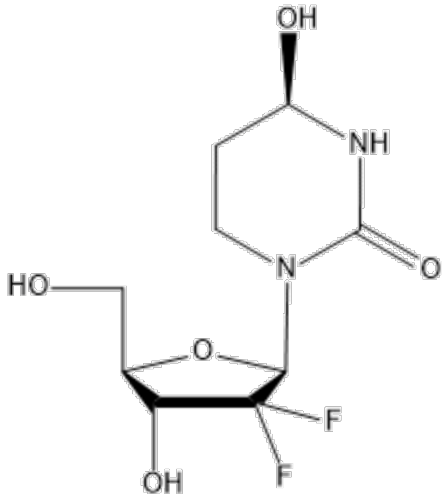
Product Data Sheet

Product Name: Cedazuridine
Cat. No.: GC65934

Chemical Properties

Cas. No.	1141397-80-9		
Formula	$C_9H_{14}F_2N_2O_5$	M.Wt	268.21
Solubility	DMSO : 50 mg/mL (186.42 mM; ultrasonic and warming and heat to 60°C)	Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

IC50: 0.4 μM (CDA)[1]

Cedazuridine (E7727) (Compound 7a) is an orally active **cytidine deaminase (CDA)** inhibitor with an **IC_{50}** value of 0.4 μM. Cedazuridine can be used for cancer research [1].

Cedazuridine (Compound 7a) exhibits superior acid stability [1].

Caution: Product has not been fully validated for medical applications. For research use only.
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Cedazuridine (0-10 μM; 72 h) does not enhance effects of AZA (5-Azacytidine, HY-10586) in growth inhibition of AML cell lines[2].

Cedazuridine (3 mg/kg; p.o.; daily for 7 days) in combination with 2.5 mg/kg AZA shows tumor regression in mice MOLM-13 CDX and PDX models[2].

Animal Model:	Female NSGS mice, 6-8 weeks old, human cell line-derived (CDX) and primary patient-derived xenograft (PDX) models[2]
Dosage:	3 mg/kg
Administration:	Oral administration, in combination with 2.5 mg/kg AZA, daily for 7 days
Result:	Led to reduction of leukemic expansion in combination with AZA in a cell line-derived xenograft transplantation, and exhibited preliminary safety and efcacy in a primary AML PDX model.
Animal Model:	NSGS male mice[2]
Dosage:	1, 3, 10 and 30 mg/kg
Administration:	Oral, in combination with 2.5 mg/kg AZA (Pharmacokinetic Studies)
Result:	Dose-dependently increased the AUC of oral AZA and in comparison to dosing of standard i.p. AZA.

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