Dmt-2'-f-dc(ac) amidite

Cat. No.: HY-45491

CAS No.: 159414-99-0

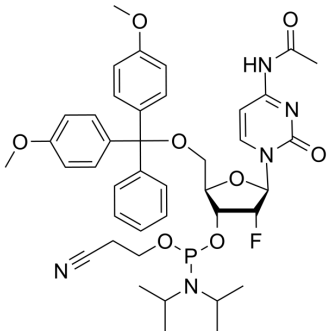
Molecular Formula: $C_{41}H_{49}FN_5O_8P$

Molecular Weight: 789.83

Target: Nucleoside Antimetabolite/Analog

Pathway: Cell Cycle/DNA Damage

Storage: -20°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (126.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.2661 mL	6.3305 mL	12.6610 mL
	5 mM	0.2532 mL	1.2661 mL	2.5322 mL
	10 mM	0.1266 mL	0.6330 mL	1.2661 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dmt-2'-f-dc(ac) amidite (2'-F-Ac-dC Phosphoramidite) is a phosphoramidite which can be used in the preparation of cyclic purine dinucleotides[1].

REFERENCES

[1]. George Edwin KATIBAH, et al. Compositions and methods for activating "stimulator of interferon gene"-dependent signaling. WO2017075477A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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