

CFT8634

## Chemical Properties

CAS No. : 2704617-96-7

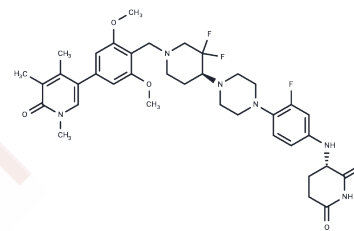
Formula: C37H45F3N6O5

Molecular Weight: 710.79

Store at low temperature

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	CFT8634 is an orally active and selective degrader targeting BRD9, with effects on the proliferation of SMARCB1-deficient cancer cell lines. CFT8634 induces the formation of a ternary complex with BRD9 and E3 ligase, inducing BRD9 ubiquitination and subsequent degradation by the proteasome.
Targets(IC50)	Epigenetic Reader Domain,PROTACs

## Solubility Information

Solubility	DMSO: 100 mg/mL (140.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (4.64 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.4069 mL	7.0344 mL	14.0689 mL
5 mM	0.2814 mL	1.4069 mL	2.8138 mL
10 mM	0.1407 mL	0.7034 mL	1.4069 mL
50 mM	0.0281 mL	0.1407 mL	0.2814 mL

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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

Nasveschuk CG, et, al. Compounds for targeted degradation of brd9. WO2021178920A1.

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