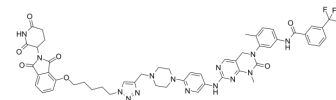


## DB-0646

Cat. No.:	HY-137343
Molecular Formula:	C <sub>52</sub> H <sub>51</sub> F <sub>3</sub> N <sub>14</sub> O <sub>7</sub>
Molecular Weight:	1041.05
Target:	PROTACs
Pathway:	PROTAC
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (48.03 mM; Need ultrasonic)  
H<sub>2</sub>O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.9606 mL	4.8028 mL	9.6057 mL
	5 mM	0.1921 mL	0.9606 mL	1.9211 mL
	10 mM	0.0961 mL	0.4803 mL	0.9606 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 1.25 mg/mL (1.20 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 1.25 mg/mL (1.20 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 1.25 mg/mL (1.20 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

DB-0646, a PROTAC, is a multi-kinase degrader<sup>[1]</sup>.

### REFERENCES

[1]. Katherine A Donovan, et al. Mapping the Degradable Kinome Provides a Resource for Expedited Degradation Development. Cell. 2020 Dec 10;183(6):1714-1731.e10.

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

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