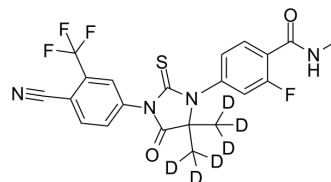


Enzalutamide-d₆

Cat. No.:	HY-70002S1
CAS No.:	1443331-94-9
Molecular Formula:	C ₂₁ H ₁₀ D ₆ F ₄ N ₄ O ₂ S
Molecular Weight:	470.47
Target:	Androgen Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMF : ≥ 25 mg/mL (53.14 mM)
 DMSO : ≥ 20 mg/mL (42.51 mM)
 Ethanol : ≥ 0.5 mg/mL (1.06 mM)
 DMF:PBS (pH 7.2) (1:4) : ≥ 0.2 mg/mL (0.43 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1255 mL	10.6277 mL	21.2553 mL
	5 mM	0.4251 mL	2.1255 mL	4.2511 mL
	10 mM	0.2126 mL	1.0628 mL	2.1255 mL

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

BIOLOGICAL ACTIVITY

Description

Enzalutamide-d₆ is a deuterium labeled Enzalutamide (MDV3100). Enzalutamide is an androgen receptor (AR) antagonist with an IC₅₀ of 36 nM in LNCaP prostate cells[1].

REFERENCES

[1]. Tran C, et al. Development of a second-generation antiandrogen for treatment of advanced prostate cancer. Science. 2009 May 8;324(5928):787-90.

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

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