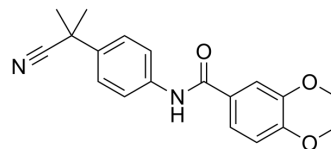


ADX61623

Cat. No.:	HY-164764		
CAS No.:	1067189-44-9		
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₃		
Molecular Weight:	324.37		
Target:	Estrogen Receptor/ERR		
Pathway:	Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (308.29 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			Concentration			Concentration			Concentration		
1 mM			3.0829 mL			15.4145 mL			30.8290 mL		
5 mM			0.6166 mL			3.0829 mL			6.1658 mL		
10 mM			0.3083 mL			1.5414 mL			3.0829 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: ≥ 5 mg/mL (15.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (15.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (15.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ADX61623 is a potent follicle stimulating hormone (FSH) receptor (FSHR) negative allosteric modulator (NAM). ADX61623 shows luteinizing hormone receptor (LH-R) activity and is not active on thyroid-stimulating hormone (TSH) receptors. ADX61623 can be used for the study of estrogen dependent disease^[1].

REFERENCES

[1]. James A Dias, et al. A negative allosteric modulator demonstrates biased antagonism of the follicle stimulating hormone receptor. Mol Cell Endocrinol. 2011 Feb 20;333(2):143-50.

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

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