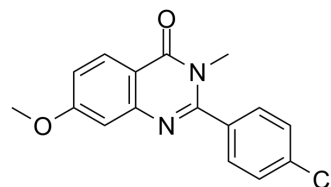


## DK1

Cat. No.:	HY-143226		
CAS No.:	1187568-17-7		
Molecular Formula:	C <sub>16</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>		
Molecular Weight:	300.74		
Target:	Estrogen Receptor/ERR		
Pathway:	Others		
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 : 25 mg/mL (83.13 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	3.3251 mL	16.6257 mL	33.2513 mL
	5 mM	0.6650 mL	3.3251 mL	6.6503 mL
	10 mM	0.3325 mL	1.6626 mL	3.3251 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 (8.31 mM); Clear solution			

## BIOLOGICAL ACTIVITY

Description	DK1 is a potent modulator of estrogen related receptor. DK1 has an ability in reducing blood glucose, and impacts the activity of ERRα receptor. DK1 has the potential for the research of diabetes <sup>[1]</sup> .
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## REFERENCES

[1]. Fuxing Li, et al. Computational investigation of the interaction mechanism between the estrogen related receptor α and its agonists.

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

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