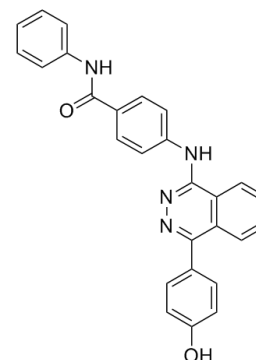


ARN272

Cat. No.:	HY-110101
CAS No.:	488793-85-7
Molecular Formula:	C ₂₇ H ₂₀ N ₄ O ₂
Molecular Weight:	432.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



Solvent & Solubility

In Vitro

DMSO : 125 mg/mL (289.04 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3123 mL	11.5615 mL	23.1230 mL
	5 mM	0.4625 mL	2.3123 mL	4.6246 mL
	10 mM	0.2312 mL	1.1561 mL	2.3123 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 90% corn oil**
 Solubility: ≥ 2.08 mg/mL (4.81 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
 Solubility: ≥ 2.08 mg/mL (4.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ARN272 is an **anandamide transport inhibitor**^[1].

IC₅₀ & Target

Anandamide transport^[1]

REFERENCES

- [1]. O'Brien LD, et al. Anandamide transport inhibition by ARN272 attenuates nausea-induced behaviour in rats, and vomiting in shrews (*Suncus murinus*). *Br J Pharmacol.* 2013 Nov;170(5):1130-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA