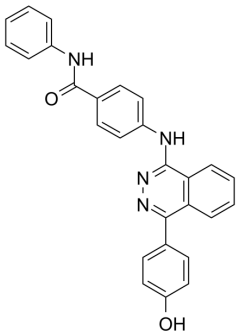
# ARN272

| | |
|---|---|
| **Cat. No.:** | HY-110101 |
| **CAS No.:** | 488793-85-7 |
| **Molecular Formula:** | $C_{27}H_{20}N_4O_2$ |
| **Molecular Weight:** | 432.47 |
| **Target:** | Others |
| **Pathway:** | Others |
| **Storage:** | Powder -20°C 3 years<br>4°C 2 years<br>In solvent -80°C 2 years<br>-20°C 1 year |




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 125 mg/mL (289.04 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 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**

1. 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
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.81 mM); Clear solution

## BIOLOGICAL ACTIVITY

| | |
|---|---|
| **Description** | ARN272 is an anandamide transport inhibitor[1]. |
| **$IC_{50}$ & 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