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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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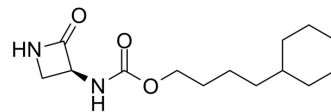
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ARN726

Cat. No.:	HY-124597		
CAS No.:	1628343-77-0		
Molecular Formula:	C ₁₄ H ₂₄ N ₂ O ₃		
Molecular Weight:	268.35		
Target:	Others		
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 : 36.67 mg/mL (136.65 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.7265 mL	18.6324 mL	37.2648 mL
	5 mM		0.7453 mL	3.7265 mL	7.4530 mL
	10 mM		0.3726 mL	1.8632 mL	3.7265 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: ≥ 3.67 mg/mL (13.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3.67 mg/mL (13.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.67 mg/mL (13.68 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ARN726 is a potent NAAA (N-acyl ethanolamine acid amidase) inhibitor with an IC₅₀ of 0.073 μM. ARN726 decreases alcohol self-administration in a dose-dependent manner^{[1][2]}.

IC₅₀ & Target

NAAA^[1]

REFERENCES

[1]. Fotio Y, et al. N-acylethanolamine acid amidase (NAAA) inhibition decreases the motivation for alcohol in Marchigian Sardinian alcohol-preferring rats. *Psychopharmacology (Berl)*. 2021 Jan;238(1):249-258.

[2]. Petracca R, et al. Novel activity-based probes for N-acylethanolamine acid amidase. *Chem Commun (Camb)*. 2017 Aug 22;53(86):11810-11813.

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

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