



SZABO SCANDIC

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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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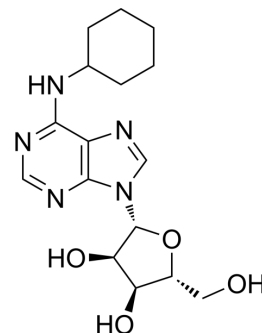
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N6-Cyclohexyladenosine

Cat. No.:	HY-18939		
CAS No.:	36396-99-3		
Molecular Formula:	C ₁₆ H ₂₃ N ₅ O ₄		
Molecular Weight:	349.38		
Target:	Adenosine Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (286.22 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.8622 mL	14.3111 mL	28.6221 mL
	5 mM		0.5724 mL	2.8622 mL	5.7244 mL
	10 mM		0.2862 mL	1.4311 mL	2.8622 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: ≥ 2.5 mg/mL (7.16 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.16 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.16 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N6-Cyclohexyladenosine is a selective adenosine A1 receptor agonist (EC₅₀ = 8.2 nM).

CUSTOMER VALIDATION

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- Int J Mol Sci. 2023 Jul 3, 24(13), 11036.
 - Exp Brain Res. 2023 Apr 20.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Asghari AA, et al. Adenosine A1 receptor agonist, N6-cyclohexyladenosine, protects myelin and induces remyelination in an experimental model of rat optic chiasm demyelination; electrophysiological and histopathological studies. J Neurol Sci. 2013 Feb 15;325(1-2):22-28.

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

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