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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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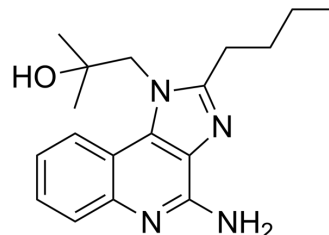
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TLR7 agonist 3

Cat. No.:	HY-117602
CAS No.:	1229024-78-5
Molecular Formula:	C ₁₈ H ₂₄ N ₄ O
Molecular Weight:	312.41
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
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 : 100 mg/mL (320.09 mM; Need ultrasonic)
 Ethanol : ≥ 50 mg/mL (160.05 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.2009 mL	16.0046 mL	32.0092 mL
	5 mM		0.6402 mL	3.2009 mL	6.4018 mL
	10 mM		0.3201 mL	1.6005 mL	3.2009 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 (8.00 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TLR7 agonist 3 (Compound 2) is a potent agonist of toll-like receptor 7 (TLR7). TLR7 has an important role in immune activation processes and represents an emerging agent discovery target for the development of immunomodulators^[1].

IC₅₀ & Target

TLR7

REFERENCES

[1]. Urban Švajger, et al. New antagonists of toll-like receptor 7 discovered through 3D ligand-based virtual screening. Medicinal Chemistry Research. 2015. 24: 362-371.

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

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