



SZABO SCANDIC

Part of Europa Biosite

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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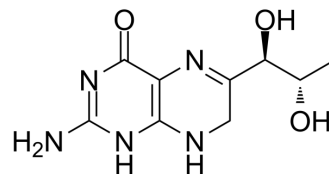
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7,8-Dihydro-L-biopterin

| | | |
|--------------------|--|----------------|
| Cat. No.: | HY-W008646 | |
| CAS No.: | 6779-87-9 | |
| Molecular Formula: | C ₉ H ₁₃ N ₅ O ₃ | |
| Molecular Weight: | 239.23 | |
| Target: | Endogenous Metabolite | |
| Pathway: | Metabolic Enzyme/Protease | |
| Storage: | Powder | -20°C 3 years |
| | In solvent | -80°C 6 months |
| | | -20°C 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 150 mg/mL (627.01 mM; Need ultrasonic)
 H₂O : 6 mg/mL (25.08 mM; Need ultrasonic and warming)

| Concentration | Solvent | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|---------|------|-----------|------------|------------|
| | | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | | 4.1801 mL | 20.9004 mL | 41.8008 mL |
| | 5 mM | | 0.8360 mL | 4.1801 mL | 8.3602 mL |
| | 10 mM | | 0.4180 mL | 2.0900 mL | 4.1801 mL |

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

In Vivo

- Add each solvent one by one: PBS
 Solubility: 12.5 mg/mL (52.25 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (10.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (10.45 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

7,8-Dihydro-L-biopterin is an oxidation product of tetrahydrobiopterin.

IC₅₀ & Target

Human Endogenous Metabolite

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

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