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Produktinformation



Forschungsprodukte & Biochemikalien



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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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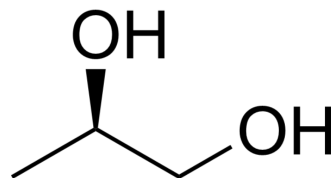
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(R)-(-)-1,2-Propanediol

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-Z0031 | | |
| CAS No.: | 4254-14-2 | | |
| Molecular Formula: | C ₃ H ₈ O ₂ | | |
| Molecular Weight: | 76.09 | | |
| Target: | Endogenous Metabolite | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| Storage: | Pure form | -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 (1314.23 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 13.1423 mL | 65.7117 mL | 131.4233 mL |
| | | 5 mM | 2.6285 mL | 13.1423 mL | 26.2847 mL |
| 10 mM | | 1.3142 mL | 6.5712 mL | 13.1423 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | <ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (32.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (32.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (32.86 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | (R)-(-)-1,2-Propanediol is a (R)-enantiomer of 1,2-Propanediol that produced from glucose in Escherichia coli expressing NADH-linked glycerol dehydrogenase genes ^[1] . |
| IC₅₀ & Target | Microbial Metabolite |

REFERENCES

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

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