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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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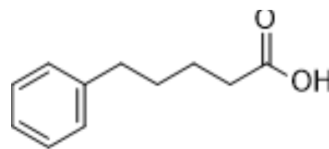
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5-Phenylvaleric acid

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-W032915 | | |
| CAS No.: | 2270-20-4 | | |
| Molecular Formula: | C ₁₁ H ₁₄ O ₂ | | |
| Molecular Weight: | 178.23 | | |
| Target: | Endogenous Metabolite | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| 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 (561.07 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | | | 10 mg | |
| Preparing Stock Solutions | 1 mM | 5.6107 mL | 28.0536 mL | 56.1073 mL |
| | 5 mM | 1.1221 mL | 5.6107 mL | 11.2215 mL |
| | 10 mM | 0.5611 mL | 2.8054 mL | 5.6107 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 (14.03 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution | | | |

BIOLOGICAL ACTIVITY

| | | |
|-------------------------------------|---|-----------------------------|
| Description | 5-Phenylvaleric acid (5-Phenylpentanoic acid) is a pentanoic acid of bacterial origin, occasionally found in human biofluids. | |
| IC₅₀ & Target | Microbial Metabolite | Human Endogenous Metabolite |

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

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