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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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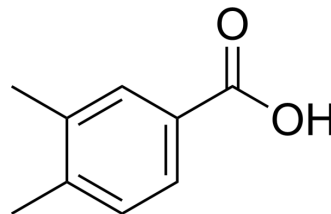
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3,4-Dimethylbenzoic acid

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W017434 | | |
| CAS No.: | 619-04-5 | | |
| Molecular Formula: | C ₉ H ₁₀ O ₂ | | |
| Molecular Weight: | 150.18 | | |
| Target: | Drug 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 (665.87 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 6.6587 mL | 33.2934 mL | 66.5868 mL |
| | | 5 mM | 1.3317 mL | 6.6587 mL | 13.3174 mL |
| 10 mM | | 0.6659 mL | 3.3293 mL | 6.6587 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 >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | 3,4-Dimethylbenzoic acid acts as a product of dimethylbenzoate metabolism by <i>Rhodococcus rhodochrous</i> N75 ^[1] . |
| In Vitro | 3,4-Dimethylbenzoic acid is oxidised by 4-methylbenzoate (p-toluate)-grown cells of <i>Rhodococcus rhodochrous</i> N75 via the ortho-pathway through the intermediates 3,4-dimethylcatechol ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

CUSTOMER VALIDATION

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- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

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REFERENCES

[1]. StefanSchmidt, et al. Isolation and identification of two novel butenolides as products of dimethylbenzoate metabolism by Rhodococcus rhodochrous N75.

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

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