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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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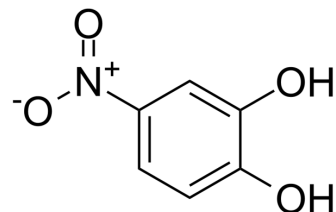
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4-Nitrocatechol

| | | |
|---------------------------|-----------------------------------------------|---------------------------------|
| Cat. No.: | HY-W066890 | |
| CAS No.: | 3316-09-4 | |
| Molecular Formula: | C ₆ H ₅ NO ₄ | |
| Molecular Weight: | 155.11 | |
| Target: | Lipoxygenase; 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 (644.70 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 6.4470 mL | 32.2352 mL | 64.4704 mL |
| | | 5 mM | 1.2894 mL | 6.4470 mL | 12.8941 mL |
| 10 mM | | 0.6447 mL | 3.2235 mL | 6.4470 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 (16.12 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (16.12 mM); Suspended solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | | |
|-------------------------------------|---------------------------------------------------------------------|----------------------|
| Description | 4-Nitrocatechol is a potent lipoxygenase inhibitor ^[1] . | |
| IC₅₀ & Target | Human Endogenous Metabolite | Microbial Metabolite |

REFERENCES

[1]. Ewa Skrzypczak-Jankun, et al. Soybean lipoxygenase-3 in complex with 4-nitrocatechol. Acta Crystallogr D Biol Crystallogr. 2004 Mar;60(Pt 3):613-5.

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

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