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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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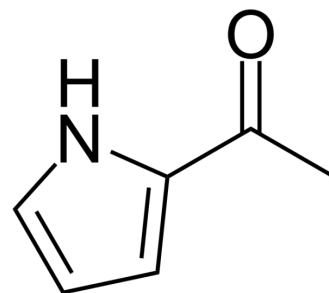
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2-Acetylpyrrole

| | | | |
|---------------------------|----------------------------------|-------|----------|
| Cat. No.: | HY-W012956 | | |
| CAS No.: | 1072-83-9 | | |
| Molecular Formula: | C ₆ H ₇ NO | | |
| Molecular Weight: | 109.13 | | |
| Target: | Others | | |
| Pathway: | Others | | |
| 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 (916.34 mM; Need ultrasonic)

| Concentration | Solvent | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|---------|------|-----------|------------|------------|
| | | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | | 9.1634 mL | 45.8169 mL | 91.6338 mL |
| | 5 mM | | 1.8327 mL | 9.1634 mL | 18.3268 mL |
| | 10 mM | | 0.9163 mL | 4.5817 mL | 9.1634 mL |

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (22.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (22.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (22.91 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Acetylpyrrole is a product of model browning systems, and has been isolated as a major flavour component of many foods [1]. 2-Acetylpyrrole has been used in the synthesis of 2-acetyl-1-pyrroline[2].

REFERENCES

- [1]. C J Wang, et al. Mutagenicity and cytotoxicity of nitroprrole compounds derived from the reaction of 2-acetyl pyrrole with nitrite. Food Chem Toxicol. 1994

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

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