



SZABO SCANDIC

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Produktinformation



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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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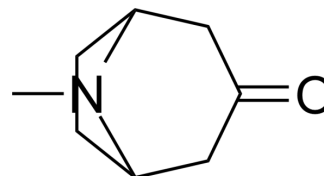
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Tropinone

| | | | |
|---------------------------|-----------------------------------|-------|----------|
| Cat. No.: | HY-Y0135 | | |
| CAS No.: | 532-24-1 | | |
| Molecular Formula: | C ₈ H ₁₃ NO | | |
| Molecular Weight: | 139.19 | | |
| 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 (718.44 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 7.1844 mL | 35.9221 mL | 71.8442 mL |
| | 5 mM | 1.4369 mL | 7.1844 mL | 14.3688 mL |
| | 10 mM | 0.7184 mL | 3.5922 mL | 7.1844 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 (17.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (17.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (17.96 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tropinone, an alkaloid, acts as a synthetic intermediate to Atropine^[1].

REFERENCES

[1]. Bedewitz MA, et al. Tropinone synthesis via an atypical polyketide synthase and P450-mediated cyclization. Nat Commun. 2018 Dec 11;9(1):5281. doi: 10.1038/s41467-

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

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