



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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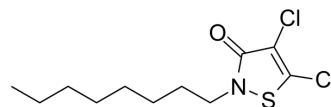
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DCOIT

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W041308 | | |
| CAS No.: | 64359-81-5 | | |
| Molecular Formula: | C ₁₁ H ₁₇ Cl ₂ NOS | | |
| Molecular Weight: | 282.23 | | |
| Target: | GnRH Receptor | | |
| Pathway: | GPCR/G Protein | | |
| 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 : 133.33 mg/mL (472.42 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 3.5432 mL | 17.7160 mL | 35.4321 mL |
| | | 5 mM | 0.7086 mL | 3.5432 mL | 7.0864 mL |
| 10 mM | | 0.3543 mL | 1.7716 mL | 3.5432 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (17.72 mM); Clear solution; Need ultrasonic | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | DCOIT is a representative isothiazolinone that stimulates the gonadotropin-releasing hormone receptor (GnRHR)-mediated synthesis of follicle-stimulating hormone and luteinizing hormone in the brain. DCOIT interferes with G protein-coupled receptors, MAPK and Ca ²⁺ signaling cascades ^[1] . |
|--------------------|---|

REFERENCES

[1]. Tang L, et al. Isothiazolinone Disrupts Reproductive Endocrinology by Targeting the G-Protein-Coupled Receptor Signaling. Environ Sci Technol. 2024 Jan 3.

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

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