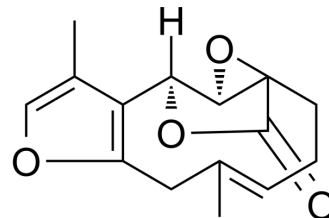


Linderane

| | |
|--------------------|--|
| Cat. No.: | HY-N0688 |
| CAS No.: | 13476-25-0 |
| Molecular Formula: | C ₁₅ H ₁₆ O ₄ |
| Molecular Weight: | 260.29 |
| Target: | Cytochrome P450 |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

| | | | | | | | |
|---|---|--------------------------|------|-------|-----------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (384.19 mM; Need ultrasonic) | | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg | |
| | | | | 1 mM | 3.8419 mL | 19.2093 mL | 38.4187 mL |
| | | | | 5 mM | 0.7684 mL | 3.8419 mL | 7.6837 mL |
| | | | | 10 mM | 0.3842 mL | 1.9209 mL | 3.8419 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.60 mM); Clear solution | | | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | Linderane, isolated from the root of <i>Lindera aggregata</i> , is an irreversible inhibitor cytochrome P450 2C9 (CYP2C9). Linderane has the potential to relieve pain and cramp ^[1] . |
| IC ₅₀ & Target | CYP2 |

REFERENCES

[1]. Wang H, et al. Mechanism-based inactivation of CYP2C9 by linderane. *Xenobiotica*. 2015;45(12):1037-46.

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

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