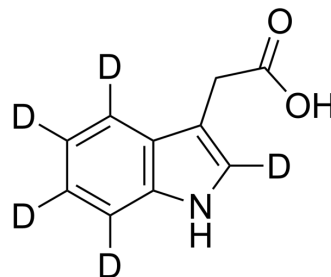


3-Indoleacetic acid-d₅

| | | |
|---------------------------|---|---------------------------------|
| Cat. No.: | HY-18569S | |
| CAS No.: | 76937-78-5 | |
| Molecular Formula: | C ₁₀ H ₄ D ₅ NO ₂ | |
| Molecular Weight: | 180.21 | |
| Target: | Endogenous Metabolite; Isotope-Labeled Compounds | |
| Pathway: | Metabolic Enzyme/Protease; 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 (554.91 mM; Need ultrasonic)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 5.5491 mL | 27.7454 mL | 55.4908 mL |
| 5 mM | 1.1098 mL | 5.5491 mL | 11.0982 mL |
| 10 mM | 0.5549 mL | 2.7745 mL | 5.5491 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 (13.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Indoleacetic acid-d₅ is the deuterium labeled 3-Indoleacetic acid. 3-Indoleacetic acid-d₅ can be used as internal standard for assay of IAA releases by alkaline hydrolysis of ester and amide conjugates[1].

REFERENCES

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

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