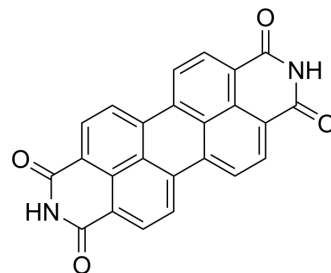


3,4,9,10-Perylenetetracarboxylic-diimide

| | |
|--------------------|--|
| Cat. No.: | HY-D0285 |
| CAS No.: | 81-33-4 |
| Molecular Formula: | C ₂₄ H ₁₀ N ₂ O ₄ |
| Molecular Weight: | 390.35 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1.25 mg/mL (3.20 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (3.20 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3,4,9,10-Perylenetetracarboxylic-diimide (PTCDI), an organic heteropolycyclic compound, is a dimethylimine that can be used in biological dyes and indicators^[1].

REFERENCES

[1]. Tatsuya Yoshida, et al. Spectral Diffusion of Excitons in 3,4,9,10-Perylenetetracarboxylic-diimide (PTCDI) Thin Films. J Phys Chem B. 2021 Aug 19;125(32):9350-9356.

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

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