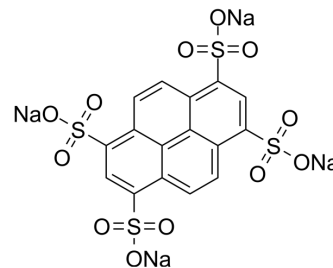


Pyrene-1,3,6,8-tetrasulfonic acid tetrasodium

Cat. No.:	HY-D0142
CAS No.:	59572-10-0
Molecular Formula:	C ₁₆ H ₆ Na ₄ O ₁₂ S ₄
Molecular Weight:	610.43
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description

Pyrene-1,3,6,8-tetrasulfonic acid tetrasodium is a fluorescent dye and pH indicator, also as a ligand of multifunctional metal-organic framework. Pyrene-1,3,6,8-tetrasulfonic acid tetrasodium has been used to detect CO₂ release^{[1][2][3]}.

REFERENCES

- [1]. Levin, P.P., et al. Kinetics of hydrated electron reactions with phosphate anions: a laser photolysis study. *Russ Chem Bull* 56, 1325–1328 (2007).
- [2]. Amalia García-García, et al. Slow relaxation of magnetization and luminescence properties of a novel dysprosium and pyrene-1,3,6,8-tetrasulfonate based MOF. *New Journal of Chemistry*. Issue 2, 2018.
- [3]. Bin Yan, et al. Manipulation of block copolymer vesicles using CO₂: dissociation or “breathing”. *Soft Matter*. Issue 6, 2013.

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

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