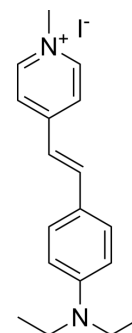


4-Di-2-ASP

| | |
|---------------------------|--|
| Cat. No.: | HY-D0060 |
| CAS No.: | 105802-46-8 |
| Molecular Formula: | C ₁₈ H ₂₃ IN ₂ |
| Molecular Weight: | 394.29 |
| 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) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (253.62 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.5362 mL | 12.6810 mL | 25.3620 mL |
| | 5 mM | 0.5072 mL | 2.5362 mL | 5.0724 mL |
| | 10 mM | 0.2536 mL | 1.2681 mL | 2.5362 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Di-2-ASP, a styryl pyridinium fluorescent dye, is a vital mitochondrial marker. 4-Di-2-ASP shows reliable and specific labelling of pulmonary NEBs (neuroepithelial bodies)^[1].

REFERENCES

[1]. Pintelon I, et al. Selective visualisation of neuroepithelial bodies in vibratome slices of living lung by 4-Di-2-ASP in various animal species. Cell Tissue Res. 2005 Jul;321(1):21-33.

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

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