



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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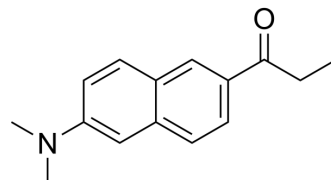
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Prodan

| | |
|--------------------|--|
| Cat. No.: | HY-D0074 |
| CAS No.: | 70504-01-7 |
| Molecular Formula: | C ₁₅ H ₁₇ NO |
| Molecular Weight: | 227.3 |
| 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 Vitro

DMSO : 50 mg/mL (219.97 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 4.3995 mL | 21.9974 mL | 43.9947 mL |
| | 5 mM | 0.8799 mL | 4.3995 mL | 8.7989 mL |
| | 10 mM | 0.4399 mL | 2.1997 mL | 4.3995 mL |

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

BIOLOGICAL ACTIVITY

Description

Prodan, a solvatochromic fluorophore, has been used as a microenvironment-sensitive membrane reporter. Based on the chemistry of Prodan, fluorescent nucleosides are designed and synthesized. The fluorescent nucleosides sensitively varied the Stokes shift values depending on the orientational polarizability of the solvent^[1].

REFERENCES

[1]. Kazuki Tainaka, et al. PRODAN-conjugated DNA: synthesis and photochemical properties. J Am Chem Soc. 2007 Apr 18;129(15):4776-84.

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

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