



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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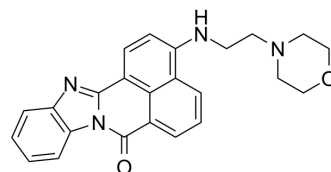
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DND-189

| | |
|---------------------------|--|
| Cat. No.: | HY-D1457 |
| CAS No.: | 152584-38-8 |
| Molecular Formula: | C ₂₄ H ₂₂ N ₄ O ₂ |
| Molecular Weight: | 398.46 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | -20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (12.55 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 2.5097 mL | 12.5483 mL | 25.0966 mL |
| 5 mM | 0.5019 mL | 2.5097 mL | 5.0193 mL |
| 10 mM | 0.2510 mL | 1.2548 mL | 2.5097 mL |

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

BIOLOGICAL ACTIVITY

Description

DND-189, a low-pH fluorescent probe, is sensitive to neutral and low pH range. DND-189 can be used to measure the pH of acidic organelles^{[1][2]}.

REFERENCES

- [1]. Lin HJ, et, al. Fluorescence lifetime characterization of novel low-pH probes. *Anal Biochem.* 2001 Jul 15;294(2):118-25.
- [2]. Leemans B, et, al. pH-dependent effects of procaine on equine gamete activation. *Biol Reprod.* 2019 Nov 21;101(5):1056-1074.

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

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