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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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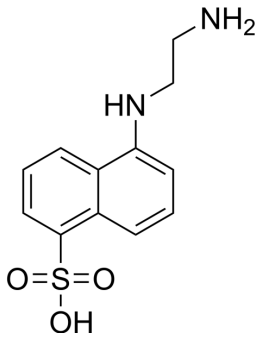
EDANS

Cat. No.:	HY-D1080
CAS No.:	50402-56-7
Molecular Formula:	$C_{12}H_{14}N_2O_3S$
Molecular Weight:	266.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°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 : 13.89 mg/mL (52.16 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.7549 mL	18.7744 mL	37.5488 mL
	5 mM	0.7510 mL	3.7549 mL	7.5098 mL
	10 mM	0.3755 mL	1.8774 mL	3.7549 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1.39 mg/mL (5.22 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.39 mg/mL (5.22 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.39 mg/mL (5.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

EDANS (1,5-EDANS) is a novel and quenched fluorogenic substrate for assaying retroviral protease by resonance energy transfer (RET)[1].

In Vitro

The peptide sequence of EDANS is derived from a natural processing site for HIV-1 PR[1].
Incubation of recombinant HIV-1 PR with the fluorogenic substrate resulted in specific cleavage at the Tyr-Pro bond and a time-dependent increase in fluorescence intensity that was linearly related to the extent of substrate hydrolysis[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- STAR Protoc. 2023 May 1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. E D Matayoshi, et al. Novel fluorogenic substrates for assaying retroviral proteases by resonance energy transfer. Science. 1990 Feb 23;247(4945):954-8.

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