

Product Data Sheet

Product Name: EDANS
Cat. No.: GC61761

Chemical Properties

Cas. No. 50402-56-7

SMILES O=S(C1=C2C=CC=C(NCCN)C2=CC=C1)(O)=O

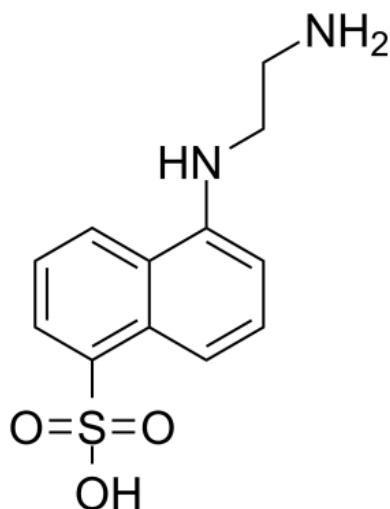
Formula $C_{12}H_{14}N_2O_3S$ M.Wt 266.32

Solubility DMSO: 13.89 mg/mL (52.16 mM) Storage Store at -20°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

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

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

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of substrate hydrolysis[1].

[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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