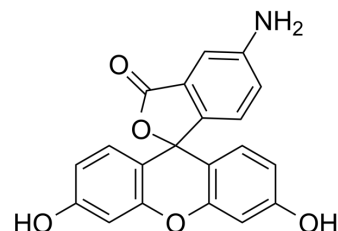


5-Aminofluorescein

Cat. No.:	HY-D0022
CAS No.:	3326-34-9
Molecular Formula:	C ₂₀ H ₁₃ NO ₅
Molecular Weight:	347.32
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 : ≥ 32 mg/mL (92.13 mM)
* " \geq " means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		2.8792 mL	14.3959 mL	28.7919 mL
	5 mM		0.5758 mL	2.8792 mL	5.7584 mL
	10 mM		0.2879 mL	1.4396 mL	2.8792 mL

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

BIOLOGICAL ACTIVITY

Description

5-Aminofluorescein (5-AF) is a fluorescence marker, covalently bound to human serum albumin. The excitation wavelength is 495 nm and the emission wavelength is 535 nm^[1].

In Vitro

5-Aminofluorescein-HSA : 5-Aminofluorescein is linked to HSA in a 1 : 1 molar ratio to provide a specific and longlasting fluorescence staining of malignant brain tumor.
The excitation wavelength is 495 nm and the emission wavelength is 535 nm.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ding R, et al. Pharmacokinetics of 5-aminofluorescein-albumin, a novel fluorescence marker of brain tumors during surgery. J Clin Pharmacol. 2011 May;51(5):672-8.
- [2]. Kremer P, et al. Intraoperative fluorescence staining of malignant brain tumors using 5-aminofluorescein-labeled albumin. Neurosurgery. 2009 Mar;64(3 Suppl):ons53-60; discussion ons60-1.

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

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