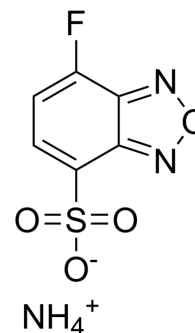


7-Fluorobenzofurazan-4-sulfonic acid ammonium

Cat. No.:	HY-D0097
CAS No.:	84806-27-9
Molecular Formula:	C ₆ H ₄ FN ₂ O ₄ S
Molecular Weight:	235.19
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1062.97 mM; Need ultrasonic)

H₂O : ≥ 50 mg/mL (212.59 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.2519 mL	21.2594 mL	42.5188 mL
	5 mM	0.8504 mL	4.2519 mL	8.5038 mL
	10 mM	0.4252 mL	2.1259 mL	4.2519 mL

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

BIOLOGICAL ACTIVITY

Description

7-Fluorobenzofurazan-4-sulfonic acid ammonium is a fluorescent label. 7-Fluorobenzofurazan-4-sulfonic acid ammonium can be used for detecting dissolved thiol-disulfide (e.g., Cys, GSH)^[1].

REFERENCES

[1]. Rasheduzzaman, M., et al. Determination of dissolved and particulate thiols in Lake Biwa water and extracted fulvic acids by solid phase extraction followed by HPLC with fluorescence detection. *Limnology* 19, 299–309 (2018).

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

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