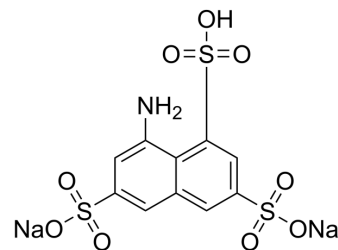


## ANTS

Cat. No.:	HY-D0789
CAS No.:	5398-34-5
Molecular Formula:	C <sub>10</sub> H <sub>7</sub> NNa <sub>2</sub> O <sub>9</sub> S <sub>3</sub>
Molecular Weight:	427.34
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 : 20 mg/mL (46.80 mM; ultrasonic and warming and heat to 80°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3401 mL	11.7003 mL	23.4006 mL
	5 mM	0.4680 mL	2.3401 mL	4.6801 mL
	10 mM	0.2340 mL	1.1700 mL	2.3401 mL

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

## BIOLOGICAL ACTIVITY

### Description

ANTS is a fluorescent dye. ANTS and DPX are encapsulated in liposomes can be an effective approach for measuring membrane leakage<sup>[1]</sup>.

## REFERENCES

[1]. Aguilera J, et al. A Fluorescence Dequenching-based Liposome Leakage Assay to Measure Membrane Permeabilization by Pore-forming Proteins. Bio Protoc. 2021 May 20;11(10):e4025.

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

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