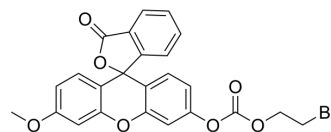


CAY10731

Cat. No.: HY-D1275
CAS No.: 2119597-33-8
Molecular Formula: C₂₄H₁₇BrO₇
Molecular Weight: 497.29
Target: Fluorescent Dye
Pathway: Others
Storage: -20°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 : 30 mg/mL (60.33 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0109 mL	10.0545 mL	20.1090 mL
	5 mM	0.4022 mL	2.0109 mL	4.0218 mL
	10 mM	0.2011 mL	1.0054 mL	2.0109 mL

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

BIOLOGICAL ACTIVITY

Description

CAY10731 (compound 3) is a highly selective fluorescent probe for detection of hydrogen sulfide (H₂S). CAY10731 is used to monitor exo- and endogenous H₂S in both cancer and normal cells. CAY10731 is applied for imaging of H₂S in living tissues at variable depths and in nematodes^[1].

REFERENCES

[1]. Shahi Imam Reja, et al. A Highly Selective Fluorescent Probe for Detection of Hydrogen Sulfide in Living Systems: In Vitro and in Vivo Applications. Chemistry. 2017 Jul 21;23(41):9872-9878.

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

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