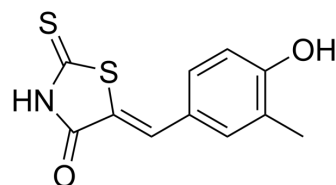


HMBR

Cat. No.:	HY-D1416
CAS No.:	1287651-36-8
Molecular Formula:	C ₁₁ H ₉ NO ₂ S ₂
Molecular Weight:	251.32
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 : 125 mg/mL (497.37 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9790 mL	19.8950 mL	39.7899 mL
	5 mM	0.7958 mL	3.9790 mL	7.9580 mL
	10 mM	0.3979 mL	1.9895 mL	3.9790 mL

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

BIOLOGICAL ACTIVITY

Description

HMBR, an analog bearing an additional methyl group on the aromatic ring, is nonfluorescent by itself, but it fluoresces yellow light upon blue-light excitation when bound to Y-FAST. HMBR is nontoxic for zebrafish embryos. cell-permeant^[1].

REFERENCES

[1]. Plamont MA, et al. Small fluorescence-activating and absorption-shifting tag for tunable protein imaging in vivo [published correction appears in Proc Natl Acad Sci U S A. 2016 Mar 8;113(10):E1412. Moncoq, Karine [added]]. Proc Natl Acad Sci U S A. 2016;113(3):497-502.

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

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