



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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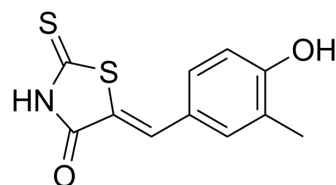
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## HMBR

Cat. No.:	HY-D1416
CAS No.:	1287651-36-8
Molecular Formula:	C <sub>11</sub> H <sub>9</sub> NO <sub>2</sub> S <sub>2</sub>
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	Mass			
	1 mg	5 mg	10 mg	
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<sup>[1]</sup>.

## 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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