



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

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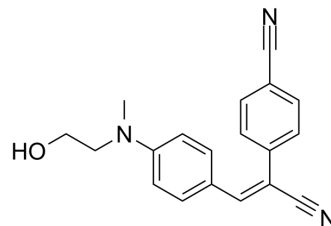
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HBC

Cat. No.:	HY-D1373
CAS No.:	156840-13-0
Molecular Formula:	C ₁₉ H ₁₇ N ₃ O
Molecular Weight:	303.36
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
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 (412.05 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2964 mL	16.4821 mL	32.9641 mL
	5 mM	0.6593 mL	3.2964 mL	6.5928 mL
	10 mM	0.3296 mL	1.6482 mL	3.2964 mL

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

BIOLOGICAL ACTIVITY

Description

HBC is a green fluorescent protein (GFP) fluorophore-like synthetic dye, with a structurally rigid electron acceptor and a strong electron donor. HBC is used to detect RNA localization^[1].

In Vitro

HBC is nonfluorescent in solution, but strongly fluoresces upon constraining intramolecular motion^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chen X, et al. Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. Nat Biotechnol. 2019;37(11):1287-1293.

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

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