



SZABO SCANDIC

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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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION

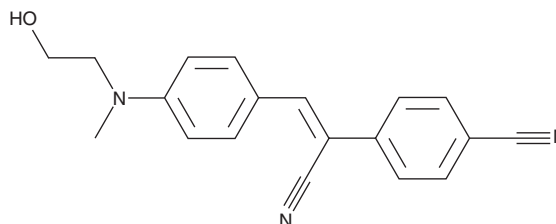


HBC 530

Item No. 40295

CAS Registry No.: 156840-13-0
Formal Name: 4-cyano- α -[[4-[(2-hydroxyethyl) methylamino]phenyl]methylene]- benzeneacetonitrile

MF: C₁₉H₁₇N₃O
FW: 303.4
Purity: \geq 98%
Ex./Em. Max: 485/530 nm
Supplied as: A solid
Storage: -20°C
Stability: \geq 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

HBC 530 is supplied as a solid. A stock solution may be made by dissolving the HBC 530 in the solvent of choice, which should be purged with an inert gas. HBC 530 is soluble (\geq 10 mg/ml) in DMSO.

Description

HBC 530 is a cognate dye ligand for the Pepper RNA aptamer.^{1,2} Upon binding to the Pepper RNA aptamer, the Pepper-HBC 530 complex displays excitation/emission maxima of 485/530 nm, respectively.¹ HBC 530 has been used in the live cell imaging of RNA.

References

1. Chen, X., Zhang, D., Su, N., *et al.* Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. *Nat. Biotechnol.* **37**(11), 1287-1293 (2019).
2. Huang, K., Chen, X., Li, C., *et al.* Structure-based investigation of fluorogenic Pepper aptamer. *Nat. Chem. Biol.* **17**(12), 1289-1295 (2021).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM