



# 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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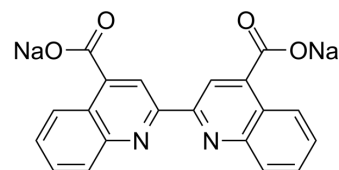
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## BCA

<b>Cat. No.:</b>	HY-15908
<b>CAS No.:</b>	979-88-4
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>10</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	388.28
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°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

H<sub>2</sub>O : 100 mg/mL (257.55 mM; Need ultrasonic)  
DMSO : 2 mg/mL (5.15 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5755 mL	12.8773 mL	25.7546 mL
	5 mM	0.5151 mL	2.5755 mL	5.1509 mL
	10 mM	0.2575 mL	1.2877 mL	2.5755 mL

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

### In Vivo

1. Add each solvent one by one: PBS  
Solubility: 25 mg/mL (64.39 mM); Clear solution; Need ultrasonic

## BIOLOGICAL ACTIVITY

### Description

BCA (Disodium bicinchoninate) is the disodium salt of 2,2'-Biquinoline-4,4'-dicarboxylic acid, which can be used for the analysis and determination of copper and protein<sup>[1][2][3]</sup>.

## CUSTOMER VALIDATION

- Cardiovasc Diabetol. 2019 Feb 2;18(1):15.
- J Cancer. 2021 Feb 22;12(8):2243-2257.
- J Oncol. 2022 Aug 11;2022:5824617.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Hu X, et al. Tripeptide GGH as the inhibitor of copper-amyloid- $\beta$ -mediated redox reaction and toxicity [J]. ACS Chemical Neuroscience, 2016, 7(9): 1255-1263.
- [2]. Cortés-Ríos J, et al. Protein quantification by bicinchoninic acid (BCA) assay follows complex kinetics and can be performed at short incubation times [J]. Analytical biochemistry, 2020, 608: 113904.
- [3]. Kontoudakis N, et al. The colorimetric determination of copper in wine: total copper [J]. Australian Journal of Grape and Wine Research, 2020, 26(2): 121-129.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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