



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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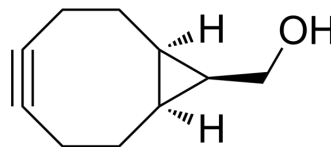
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BCN-OH

Cat. No.:	HY-W111141		
CAS No.:	1263166-90-0		
Molecular Formula:	C ₁₀ H ₁₄ O		
Molecular Weight:	150.22		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (665.69 mM)
 * " \geq " means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.6569 mL	33.2845 mL	66.5690 mL
5 mM	1.3314 mL	6.6569 mL	13.3138 mL
10 mM	0.6657 mL	3.3285 mL	6.6569 mL

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

BIOLOGICAL ACTIVITY

Description

BCN-OH (endo-9-Hydroxymethylbicyclo[6.1.0]non-4-yne) is a mitochondrial probe based on the lyophilic bidentate bicyclic ligand BCN and is a control reagent for BCN-TPP. The TPP group is a reactive sulfenic acid probe that targets mitochondria. BCN-TPP is known to affect mitochondrial energy, causing a sharp decrease in basal respiration, causing it to exhibit faster reaction kinetics with sulfonated proteins. BCN-OH does not contain hydrophobic triphenylphosphonium (TPP) ions. Using BCN-OH as a control allows the TPP group to be safely introduced when designing sulfenic acid traps^[1].

REFERENCES

[1]. Li Z, et al. Triphenylphosphonium-Derived Protein Sulfenic Acid Trapping Agents: Synthesis, Reactivity, and Effect on Mitochondrial Function. Chem Res Toxicol. 2019 Mar 18;32(3):526-534.

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

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