



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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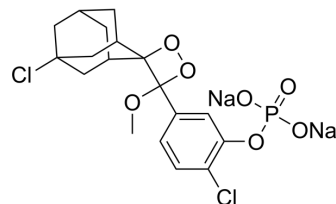
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## CDP-Star

<b>Cat. No.:</b>	HY-D1208
<b>CAS No.:</b>	160081-62-9
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>19</sub> Cl <sub>2</sub> Na <sub>2</sub> O <sub>7</sub> P
<b>Molecular Weight:</b>	495.2
<b>Target:</b>	Biochemical Assay Reagents; Phosphatase
<b>Pathway:</b>	Others; Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## BIOLOGICAL ACTIVITY

<b>Description</b>	CDP-Star is a chemiluminescent substrate for alkaline phosphatase. CDP-Star can be used for enzyme-linked immunoassays [1].
<b>In Vitro</b>	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <ol style="list-style-type: none"> <li>The substance (phosphatase mimic) to be detected is mixed with chemiluminescent substrate CDP-star (25 μM) in 20 mM of HEPES buffer (pH 8.5).</li> <li>Time-dependent CL intensities of the mixture was measured immediately at room temperature.</li> </ol> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

## REFERENCES

[1]. Hu L, et al. Chemiluminescence of the Ce(IV)/CDP-Star System Based on the Phosphatase-like Activity of Ce(IV) Ions. ACS Omega. 2021 Feb 25;6(9):6379-6384.

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

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