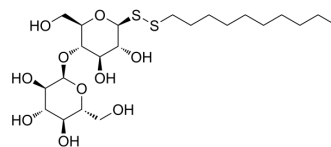


## CCD-2

Cat. No.:	HY-160281
CAS No.:	2271351-19-8
Molecular Formula:	C <sub>22</sub> H <sub>42</sub> O <sub>10</sub> S <sub>2</sub>
Molecular Weight:	530.69
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

CCD-2 is a conventional detergent and is readily degraded. CCD-2 can efficiently solubilize and stabilize diverse G protein-coupled receptors (GPCRs). CCD-2 is amenable to the  $\beta$ -barrel protein research. The chemical cleavage of CCD-2 is rapid, complete and biorthogonal and should facilitate a chemical methodology for in situ detergent replacement in diverse membrane proteins (MPs) studies<sup>[1]</sup>.

## REFERENCES

[1]. Dongxiang Xue, et al. A Chemical Strategy for Amphiphile Replacement in Membrane Protein Research. Langmuir. 2019 Mar 26;35(12):4319-4327.

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

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