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**Product Data Sheet**

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Product Name: Ascr#8  
Cat. No.: GC35405

**Chemical Properties**

Cas. No. 1172120-40-9

SMILES O=C(O)C1=CC=C(NC(/C=C/CC[C@H](O[C@H](O[C@@H](C)[C@@H](C2)O)[C@@H]2O)C)=O)C=C1

Formula C<sub>20</sub>H<sub>27</sub>NO<sub>7</sub> M.Wt 393.43

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

Ascr#8 is an dauer-inducing ascaroside isolated from *Caenorhabditis elegans*, synergizes with ascr#2 and ascr#3, and strongly enhances male attraction[1].

[1]. Kaplan F, et al. Interspecific nematode signals regulate dispersal behavior. *PLoS One*. 2012;7(6):e38735.

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

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