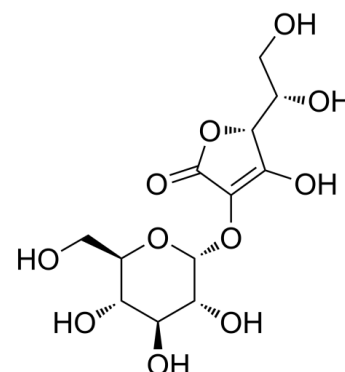


## Data Sheet

<b>Product Name:</b>	2-O- $\alpha$ -D-Glucopyranosyl-L-ascorbic Acid
<b>Cat. No.:</b>	CS-0100234
<b>CAS No.:</b>	129499-78-1
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>18</sub> O <sub>11</sub>
<b>Molecular Weight:</b>	338.26
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	H <sub>2</sub> O : 125 mg/mL (369.54 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

2-O- $\alpha$ -D-Glucopyranosyl-L-ascorbic Acid is a glucoside derivative of ascorbic acid, shows anti-cancer activity after enzymatic hydrolysis to ascorbic acid<sup>[1]</sup>.

### References:

[1]. Miura K, et al. 2-O- $\alpha$ -D-Glucopyranosyl-L-ascorbic acid as an antitumor agent for infusion therapy. Biochem Biophys Rep. 2017 Apr 22;10:232-236.

### CAIndexNames:

L-Ascorbic acid, 2-O- $\alpha$ -D-glucopyranosyl-

### SMILES:

OC([C@H](O1)[C@H](CO)O)=C(O[C@@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)O)C1=O

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA