

## Product Datasheet

### AChE/BChE-IN-11 (orb1981893)

|                        |                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | AChE/BChE-IN-11 (compound 1), a natural product derived from artichoke leaves, is a dual inhibitor of acetylcholinesterase (AChE) and butyrylcholinesterase (BChE) with IC <sub>50</sub> values of 70 μM and 71 μM, respectively. This compound is used in Alzheimer's disease (AD) research [1]. |
| <b>Storage</b>         | -20°C                                                                                                                                                                                                                                                                                             |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                                                             |
| <b>Formula</b>         | C <sub>21</sub> H <sub>22</sub> O <sub>12</sub>                                                                                                                                                                                                                                                   |
| <b>Purity</b>          | 98.00%                                                                                                                                                                                                                                                                                            |
| <b>MW</b>              | 466.39                                                                                                                                                                                                                                                                                            |
| <b>CAS Number</b>      | 80443-12-5                                                                                                                                                                                                                                                                                        |
| <b>SMILES</b>          | <chem>O([C@@H]1[C@H](OC=2C(C1=O)=C(O)C=C(O)C2)C3=CC(O)=C(O)C(O)=C3)[C@H]4[C@H](O)[C@H](O)[C@@H](O)[C@H](C)O4</chem>                                                                                                                                                                               |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                                                   |

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