WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. MATERIAL SAFETY DATA: Review the complete Material Safety Data Sheet before use.

PRODUCT DATA SHEET

BVT-0404

3,28-Di-O-(3,3-dimethylglutaryl)betulin
[3,28-di(diMeG)betulin; NSC705961; Betulin 3,28-(3,3-dimethyl)glutarate]

<table>
<thead>
<tr>
<th>Formula</th>
<th>C_{44}H_{70}O_{8}</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW</td>
<td>727.0</td>
</tr>
<tr>
<td>CAS</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Merck Index</td>
<td>Unlisted</td>
</tr>
<tr>
<td>RTECS</td>
<td>Unlisted</td>
</tr>
</tbody>
</table>

Handling / Storage

<table>
<thead>
<tr>
<th>Shipping</th>
<th>Ambient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Term Storage</td>
<td>+4°C</td>
</tr>
<tr>
<td>Long Term Storage</td>
<td>-20°C</td>
</tr>
</tbody>
</table>

Use / Stability

Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Store solutions dark and at -20°C.

Hazard / Toxicity

MSDS available upon request.

Product Specifications

Source/Host
Semi-synthetic derivative of betulin.

Purity Detail
>97% (HPLC)

Appearance
White solid.

Solubility
Soluble in methanol, acetone and DMSO.

Other Product Data

Identity
Determined by \(^{1}\)H-NMR.
Product Description

- Semi-synthetic derivative of betulin (from birch bark).
- Potent antiviral compound.
- Shows anti-HIV activity (more active than AZT in vitro).

Product Specific References