Product Name: Boc-DON-Gln-Ile-Val-OMe, “Boc-DON”

Quantity: 10 mg

Application: Site specific inhibitor of tissue transglutaminase

Molecular Formula: C\textsubscript{28}H\textsubscript{47}N\textsubscript{7}O\textsubscript{9}

Molecular Weight: 625.71

Chemical Structure:

![Chemical Structure Image]

Purity by HPLC: >95 % (214 nm)

Solubility: 1.5 mM in 2% (v/v) DMSO / aqueous buffers.

Pre-dissolve e.g. 4.69 mg (7.5 µmol) in 100 µl DMSO - dilute by adding 4.9 ml buffer to obtain a 1.5 mM solution.

DMSO stock solutions can be stored at -20°C for at least 6 months. To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.

Selectivity & Cytotoxicity:

<table>
<thead>
<tr>
<th>hTG2</th>
<th>hTG1</th>
<th>IC\textsubscript{50} in µM</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
<td>1.1</td>
<td>20</td>
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<tr>
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<td>0.98</td>
</tr>
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<tr>
<td></td>
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<td>0.6</td>
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</tbody>
</table>

Data taken from Schaertl et al.\cite{1}

Appearance: Yellow solid

Storage: Store at -20°C, desiccate

Related Products:
- A102 Abz-APE(CAD-DNP)QEA-OH
- T006 Guinea pig liver transglutaminase
- T002 Rec. human tissue transglutaminase (His6-rhTG2)
- Z006 Z-DON-Val-Pro-Leu-OMe, “Z-DON”

Reference(s):

Release date: 08 January 2014

NOTE: INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.