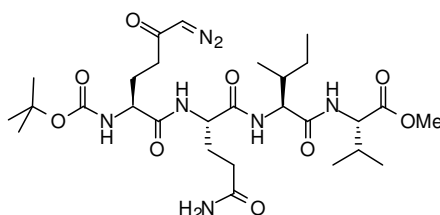


Product Number **B003**
Revision Number **RN2.1**

Product Name Boc-DON-Gln-Ile-Val-OMe, "Boc-DON"
Quantity 10 mg
Application Site specific inhibitor of tissue transglutaminase
Molecular Formula C₂₈H₄₇N₇O₉
Molecular Weight 625.71
Chemical Structure



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

IC ₅₀ in µM					
hTG2	hTG1	hTG3	hTG6	FXIIIa	mouse TG2
0.3	1.1	20	0.98	24	0.6

Data taken from Schaertl *et al.*^[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) [1] Schaertl, S. *et al. J. Biomol. Screen.* **2010**, *15*, 478.
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[4] Johnson K. A. *et al. Circ Res.* **2008**, *102*, 529.
[5] Mádi A. *et al. Anal. Biochem.* **2005**, *343*, 256.
[6] Hugues L.-J. *et al. J. Biol. Chem.* **2012**, *287*, 18005.

Release date 08 January 2014

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