

Product Data Sheet



Product Number **B015**
Revision Number **RN3.1**

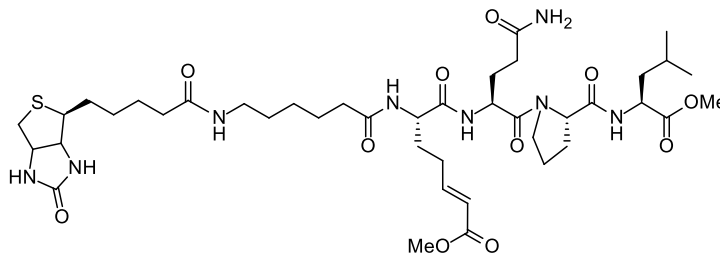
Product Name Biotin-Ahx-MA-QPL-OMe
Application Site specific irreversible inhibitor of tissue transglutaminase.
Peptidic inhibitor containing an electrophilic Michael acceptor (MA) warhead
Biotinyl-analogon to Z013 (Z-MA-QPL-OMe)

Efficacy TG2: IC₅₀ = 65 nM (Transglutaminase Assay Kit **T036**; Zedira, Germany)

Molecular Formula C₄₁H₆₆N₈O₁₁S

Molecular Weight 879.07

Chemical Structure



Purity by HPLC >95 % (214 nm)

Solubility 750 µM in phosphate buffered saline, pH 7.4
750 µM in 0.01 N HCl, pH 2

Stability >95 % in phosphate buffered saline at 25°C or 37°C, pH 7.4
>95 % in 0.01 N HCl at 25°C or 37°C, pH 2

Assay 40 µM in 0.1% (v/v) DMSO / aqueous buffers

Dissolve e.g. 10 mg (11.4 µmol) in 284 µl DMSO to obtain a 40 mM stock solution
Dilute e.g. 10 µl of that stock solution with 490 µl aqueous buffer (1:50) to obtain a 800 µM solution. Further 1:20 dilution with assay components (enzyme, substrate, buffer) yields your final assay solution (40 µM).

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.

Appearance Off-white solid

Storage Store at -20°C, desiccate

Related products Z013 Z-MA-QPL-OMe
T002 Rec. human tissue transglutaminase (His6-rhTG2)
T051 Open tTG™

Reference(s) none yet

Release date 27 July 2023

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