

Product Data Sheet



Product Number **B015**
Revision Number **RN2.0**

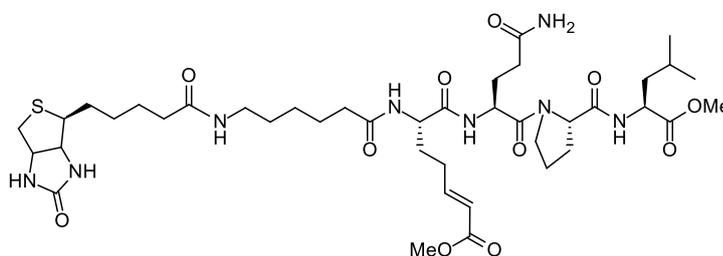
Product Name Biotin-Ahx-MA-QPL-OMe
Application Site specific irreversible inhibitor of tissue transglutaminase.
Peptidic inhibitor containing an electrophilic Michael acceptor (MA) warhead
Biotinyl-analogon to Z013 (Z-MA-QPL-OMe)

Efficacy TG2: IC₅₀ = 122 nM (Transglutaminase Assay Kit **T036**; Zedira, Germany)
TG6: IC₅₀ = 2,207 nM (Transglutaminase Assay Kit **T036**; Zedira, Germany)

Molecular Formula C₄₁H₆₆N₈O₁₁S

Molecular Weight 879.07

Chemical Structure



Purity by HPLC >95 % (214 nm)

Solubility 50 µM in 0.5% (v/v) DMSO / aqueous buffers

Pre-dissolve e.g. 3.19 mg (3.63 µmol) in 363 µl DMSO - dilute e.g. 10 µl of that stock solution (10 mM) with 1990 µl aqueous buffer (1:200) to obtain a 50 µM 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

Appearance Off-white solid

Storage Store at -20°C, desiccate

Related products Z013 Z-MA-QPL-OMe
T006 Guinea pig liver transglutaminase
T002 Rec. human tissue transglutaminase (His6-rhTG2)
T051 Open tTG™

Reference(s) none yet

Release date 29 November 2021

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