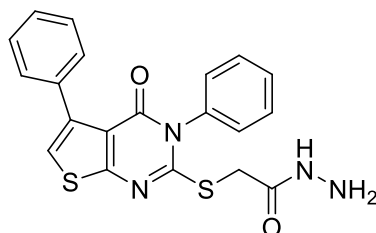


Product Number **D016**
Revision Number **RN2.0**

Product Name LDN 27219
CAS 312946-37-5
Application Reversible, slow-binding Transglutaminase 2 (TG2) inhibitor ($IC_{50} = 0.25 \mu M$), binding at the enzyme's GTP site.^[2]
Molecular Formula $C_{20}H_{16}N_4O_2S_2$
Molecular Weight 408.50
Chemical Structure



Purity by HPLC >95 % (214 nm)

Solubility 10 μM in 0.1% (v/v) DMSO / aqueous buffers.

Pre-dissolve e.g. 10 mg in 245 μl DMSO (100 mM).

Take e.g. 10 μl of the 100 mM stock solution and add 90 μl DMSO to obtain a 10 mM stock solution - dilute by adding 9990 μl buffer or assay components to obtain your final assay solution (10 μM).

DMSO stock solutions are sterile and can be stored at $-20^{\circ}C$ for at least 6 months. To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.

Appearance White solid

Storage Store at $-20^{\circ}C$, desiccate

Related Products
Z006 Z-DON-Val-Pro-Leu-OMe, "Z-DON"
B003 Boc-DON-Gln-Ile-Val-OMe, Boc-DON
A102 TG2-Assay Substance
F002 Tissue Transglutaminase Assay Kit
T002 Human tissue transglutaminase

Reference(s)
[1] E. Duval *et al. Bioorg. Med. Chem. Lett.* **2005**, *15*, 1885-1889.
[2] A. Case, R.L. Stein *Biochemistry* **2007**, *46*, 1106-1115.

Release date 02 December 2021

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