

# Product Data Sheet



Product number **R002**  
Revision number **RN2.1**

**Product Name** TAMRA-DON  
N-(Tetramethylrhodaminy)-DON-Val-Pro-Leu-OMe

**Quantity** 5 mg, 10 mg

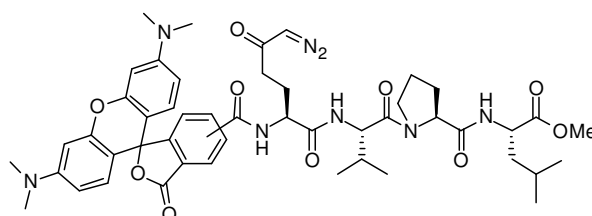
**Application** Fluorescent site specific inhibitor of tissue transglutaminase  
IC<sub>50</sub> ~ 100 nM

**Fluorescence**  $\lambda_{\text{ex}} = 547 \text{ nm}$ ;  $\lambda_{\text{em}} = 573 \text{ nm}$ <sup>[1]</sup>  
<sup>[1]</sup> Aneja A. *et al. J. Biol. Phys.* **2008**, *34*, 487.

**Molecular Formula** C<sub>48</sub>H<sub>58</sub>N<sub>8</sub>O<sub>10</sub>

**Molecular Weight** 907.02

**Chemical Structure**



**Purity by HPLC** >90 % (214 nm)

**Solubility** 40  $\mu\text{M}$  in 1% (v/v) DMSO / aqueous buffers.

Pre-dissolve e.g. 2.3 mg (2.54  $\mu\text{mol}$ ) in 254  $\mu\text{l}$  DMSO - dilute e.g. 20  $\mu\text{l}$  of that stock solution (10 mM) with 1980  $\mu\text{l}$  aqueous buffer to obtain a 100  $\mu\text{M}$  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** Purple solid

**Storage** Store at -20°C, desiccate

**Related products** A102 Abz-APE(CAD-DNP)QEA-OH  
T002 Rec. human tissue transglutaminase (His6-rhTG2)  
Z006 Z-DON-Val-Pro-Leu-OMe  
A014 Polyclonal antibody to human tissue transglutaminase  
A028 FITC-labeled polyclonal antibody to human tissue transglutaminase (TG2)

**Reference(s)** none yet

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