

Potent and selective FXIIIa inhibitor!



transglutaminase newsletter July-2014

ZED1301: potent direct acting FXIIIa inhibitor now commercially available!

- Strong inhibitor of coagulation factor XIII (IC₅₀ ~ 100 nM)
- Substantial selectivity against TG2 (30-fold, IC₅₀ ~ 3,000 nM)
- EC₅₀ in thromboelastometry, whole human blood ~ 30 μM
- Used to solve the crystal structure of FXIII in the active conformation (Stieler, M. *et al.* Angewandte Chemie Intl. Ed. 2013, 52, 11930)

ZED1301 (**product number** [A108](#)) is a peptidic inhibitor containing an electrophilic Michael acceptor (MA) warhead. The structure/sequence Ac-D-MA-Nle-Nle-LPWP-OH (Nle, norleucine) provides both potency and selectivity in biochemical and *in vitro* whole blood assays. So far, pharmacokinetic data are not available.

Within our drug development program we developed novel proprietary FXIIIa inhibitors suitable for *in vivo* animal studies. Please contact us (contact@zedira.com) for further information.

Find below the bestsellers out of our **inhibitor toolbox** frequently used.

Art. No.	Name	Unit	Price
A108	Ac-D-MA-Nle-Nle-LPWP-OH, "ZED1301"	5 mg	480 €
Z006	Z-DON-Val-Pro-Leu-OMe, "Z-DON"	10 mg	385 €
B003	Boc-DON-Gln-Ile-Val-OMe, "Boc-DON"	10 mg	385 €
T101	1,3,4,5-Tetramethyl-2[(2-oxo-propyl)thio]imidazolium chloride	10 mg	480 €
D003	1,3-Dimethyl-2[(2-oxo-propyl)thio]imidazolium chloride	100 mg	480 €

New products, just launched: Fibrin glue (porcine and bovine)


Fibrin Glue is a natural product consisting of two components: fibrinogen concentrate and thrombin. After mixing both components, polymerization leads to an elastic fibrin matrix.

Art. No.	Name	Unit	Price
F007	Fibrin Glue (porcine)	1 Kit	195 €
F008	Fibrin Glue (bovine)	1 Kit	195 €



Already got our **catalogue**?

Download your electronic copy or send us an e-mail to receive your personal hard copy.

Get more information about transglutaminases and Zedira on Facebook  and Twitter  !

For detailed information concerning our products please refer to our web site: www.zedira.com.

Should you have any questions or queries about our products, please do not hesitate to contact us: contact@zedira.com.

We are constantly enlarging our product portfolio in order to fulfill researchers' requirements in the field of transglutaminase.

The newsletter is sent to known interested parties only. If you do not want to receive the Transglutaminase Newsletter anymore, please click here to [unsubscribe](#) your mail address.

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This newsletter is published by:

Zedira GmbH

Roesslerstr. 83

64293 Darmstadt

Germany

Phone: +49 6151 3251-00

Fax: +49 6151 3251-19

Web: www.zedira.com

E-mail: contact@zedira.com

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