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**Product Data Sheet**

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Product Name: Edoxaban impurity 4

Cat. No.: GC62298

**Chemical Properties**

Cas. No. 480452-36-6

Formula  $C_{21}H_{30}ClN_5O_5$ 

M.Wt 467.95

Solubility DMSO : 25 mg/mL (53.42 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Edoxaban impurity 4 is an impurity of Edoxaban. Edoxaban (DU-176) is a selective, potent and orally active factor Xa (FXa) inhibitor with  $K_{is}$  of 0.561 nM and 2.98 nM for free FXa and prothrombinase, respectively. Edoxaban is an anticoagulant agent and can be used for stroke prevention[1][2].

[1]. Furugohri T, et al. DU-176b, a potent and orally active factor Xa inhibitor: in vitro and in vivo pharmacological profiles. *J Thromb Haemost.* 2008 Sep;6(9):1542-9.

[2]. Mendell J, Lee F, Chen S, The Effects of the Antiplatelet Agents, Aspirin and Naproxen, on Pharmacokinetics and Pharmacodynamics of the Anticoagulant Edoxaban, a Direct Factor Xa Inhibitor. *J Cardiovasc Pharmacol.* 2013 Apr 23.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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