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## Product Data Sheet

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Product Name: Desethyl KBT-3022

Cat. No.: GC32663

### Chemical Properties

Cas. No. 101001-72-3

SMILES O=C(O)CN1C(C2=NC(C3=CC=C(OC)C=C3)=C(C4=CC=C(OC)C=C4)S2)=CC=C1

Formula  $C_{23}H_{20}N_2O_4S$  M.Wt 420.48

Solubility Soluble in DMSO 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 Evaluation sample solution : ship with blue ice All other available size: ship with Condition RT, or blue ice upon request.

Structure

### Background

Desethyl KBT-3022 is the main active metabolite of the new antiplatelet agent, KBT-3022.

Pretreatment with desethyl KBT-3022 0.1, 0.3 and 1 mg/kg, i.v. prolongs the time required to achieve thrombotic occlusion in the femoral artery and inhibits collagen-induced platelet aggregation in whole blood ex vivo, each in a dose-dependent manner. Desethyl KBT-3022 inhibits the thrombin-induced aggregation of washed platelets in a concentration-dependent manner 1-40  $\mu$ M[1].

[1]. Shimazawa M, et al. Antithrombotic effects in a rat model of aspirin-insensitive arterial thrombosis of desethyl KBT-3022, the main active metabolite of a new antiplatelet agent, KBT-3022. Eur J Pharmacol. 1997 Jun 11;328(2-3):183-9.

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

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