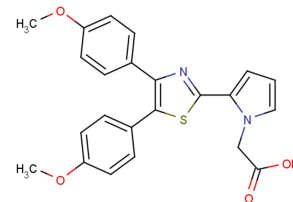


## Desethyl KBT-3022

## Chemical Properties

CAS No.:	101001-72-3
Formula:	C <sub>23</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	420.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Desethyl KBT-3022 is an active metabolite of the antiplatelet compound KBT-3022.
Targets(IC <sub>50</sub> )	Others: None
In vitro	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. Desethyl KBT-3022 (1–40 µM) inhibits the thrombin-induced aggregation of washed platelets in a concentration-dependent manner.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.378 mL	11.891 mL	23.782 mL
5 mM	0.476 mL	2.378 mL	4.756 mL
10 mM	0.238 mL	1.189 mL	2.378 mL
50 mM	0.048 mL	0.238 mL	0.476 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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-302Eur J Pharmacol. 1997 Jun 11;328(2-3):183-9.

Inhibitors · Natural Compounds · Compound Libraries

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