

## Product Data Sheet

Product Name: Amg-1  
 Cat. No.: GC79679

### Chemical Properties

Cas. No. 496023-55-3

Formula  $C_{20}H_{16}N_4O_3S_2$

M.Wt 424.5

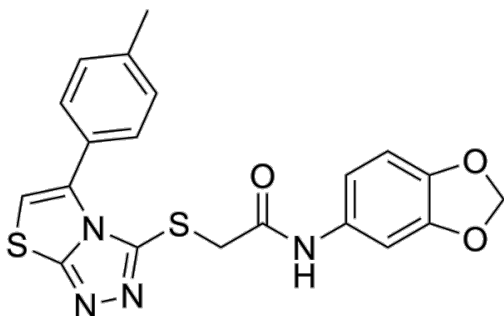
Solubility

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

Amg-1 is a potent, reversible and selective indoleamine 2,3-dioxygenase (IDO1) inhibitor ( $IC_{50}$  = 3.0  $\mu$ M). Amg-1 exhibits >80-fold selectivity over IDO2 ( $IC_{50}$  > 250  $\mu$ M) and >20-fold selective over TDO ( $IC_{50}$  > 62.5  $\mu$ M). Amg-1 can be used for cancer, hypotension, and neurological disorders research [1].

### References:

[1]. Meininger D, et al. Purification and kinetic characterization of human indoleamine 2,3-

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

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dioxygenases 1 and 2 (IDO1 and IDO2) and discovery of selective IDO1 inhibitors. Biochim Biophys Acta. 2011 Dec;1814(12):1947-54.

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