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**Product Data Sheet**


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Product Name: CP 424174

Cat. No.: GC50342

**Chemical Properties**

Cas. No. 210825-31-3

SMILES O=S(C1=CC(C(O)(C)C)=CC=C1)(NC(NC2=C(C(C)C)C=C(Cl)C=C2C(C)C)=O)=O

Formula C<sub>22</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>4</sub>S

M.Wt 452.99

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, Ethanol: PBS (pH 7.2) (1:5): 0.16 mg/ml

Store  
Storage 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**

Inhibitor of IL-1 $\beta$  post-translational processing (IC<sub>50</sub> = 210 nM). Inhibits the formation of mature IL-1 $\beta$ . Indirectly inhibits NLRP3. Active in vivo and orally bioavailable.

Perregaux et al (2001) Identification and characterization of a novel class of interleukin-1 post-translational processing inhibitors. J.Pharmacol.Exp.Ther. 299 187 PMID:11561079  
| Baldwin et al (2016) Inhibiting the inflammasome: a chemical perspective. J.Med.Chem. 59 1691 PMID:26422006

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

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