
Product Data Sheet

Product Name: Angoline hydrochloride

Cat. No.: GC60586

Chemical Properties

Cas. No. 1071676-04-4

SMILES CN1C2=C3C(C=C4OCOC4=C3)=CC=C2C5=C(C(OC)=C(OC)C=C5)C1OC.[H]ClFormula $C_{22}H_{22}ClNO_5$ M.Wt 415.87

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**

Angoline hydrochloride is a potent and selective IL6/STAT3 signaling pathway inhibitor with an IC₅₀ of 11.56 μM. Angoline hydrochloride inhibits STAT3 phosphorylation and its target gene expression, and inhibits cancer cell proliferation[1].

[1]. Jiawei Liu, et al. Angoline: a selective IL-6/STAT3 signaling pathway inhibitor isolated from *Zanthoxylum nitidum*. *Phytomedicine*. Jul-Aug 2014;21(8-9):1088-91.

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

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