

Product Data Sheet

Product Name: SKF-34288 hydrochloride

Cat. No.: GC38651

Chemical Properties

Cas. No. 320386-54-7

SMILES O=C(C1=NC=CC=C1S)O.[H]Cl

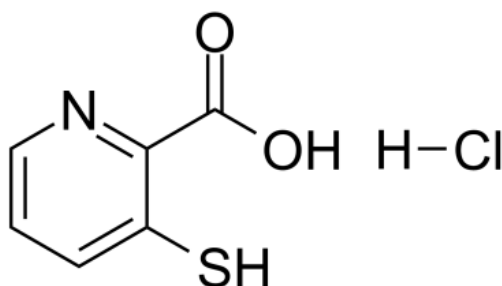
Formula C6H6ClNO2S M.Wt 191.64

Solubility Water: 5 mg/mL (26.09 mM) 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

SKF-34288 hydrochloride (3-Mercaptopicolinic acid) is a phosphoenolpyruvate carboxykinase (PEPCK) inhibitor. SKF-34288 hydrochloride is a potent hypoglycemic agent via inhibition of glucose synthesis through the specific inhibition of PEPCK in the gluconeogenesis pathway[1]. SKF-34288 hydrochloride inhibits Asn metabolism and results in an increase in amino acids and amides[2].

[1]. <https://www.ncbi.nlm.nih.gov/pubmed/26322521> [2]. Bailey KJ, et al. Nitrogen recycling from the xylem in rice leaves: dependence upon metabolism and associated changes in xylem hydraulics. J

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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