
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]ClFormula 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**

3-Mercaptopycolinic acid is an inhibitor of gluconeogenesis. In perfused rat livers, gluconeogenesis was inhibited when lactate, pyruvate, or alanine served as substrate, but not with fructose, suggesting phosphoenolpyruvate carboxykinase as the site of inhibition.^{1,2,3}

1. DiTullio, N.W., Berkoff, C.E., Blank, B., et al. 3-mercaptopycolinic acid, an inhibitor of gluconeogenesis *Biochem. J.* 138(3)387-394(1974) 2. Robinson, B.H., and Oei, J. 3-Mercaptopycolinic acid, a preferential inhibitor of the cytosolic phosphoenolpyruvate carboxykinase *FEBS Lett.* 58(1)12-15(1975) 3. Hidalgo, J., Latorre, P., Carrodeguas, J.A., et al. Inhibition of pig phosphoenolpyruvate carboxykinase isoenzymes by 3-mercaptopycolinic acid and novel inhibitors *PLoS One* 11(7)e0159002(2016)

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