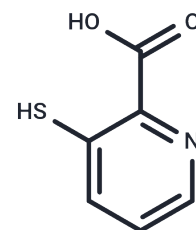


## SKF-34288 hydrochloride

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 320386-54-7   |
| Formula:          | C <sub>6</sub> H <sub>6</sub> ClNO <sub>2</sub> S   |
| Molecular Weight: | 191.63  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |

HCl



## Biological Description

|               |  |
|---------------|--|
| Description   | SKF-34288 hydrochloride (3-Mercaptopycolinic acid hydrochloride) is an inhibitor of phosphoenolpyruvate carboxykinase (PEPCK), and inhibits Asn metabolism and results in an increase in amino acids and amides. |
| Targets(IC50) | Others   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | H <sub>2</sub> O: 4 mg/mL (20.87 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.2184 mL | 26.0919 mL | 52.1839 mL |
| 5 mM  | 1.0437 mL | 5.2184 mL  | 10.4368 mL |
| 10 mM | 0.5218 mL | 2.6092 mL  | 5.2184 mL  |
| 50 mM | 0.1044 mL | 0.5218 mL  | 1.0437 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

<https://www.ncbi.nlm.nih.gov/pubmed/26322521>

Bailey KJ, et al. Nitrogen recycling from the xylem in rice leaves: dependence upon metabolism and associated changes in xylem hydraulics. J Exp Bot. 2016 Apr;67(9):2901-11.

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