

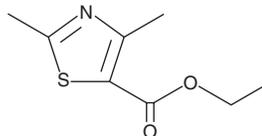
# PRODUCT INFORMATION



## ethyl-2,4-dimethyl-Thiazole-5-Carboxylate

Item No. 13232

**CAS Registry No.:** 7210-77-7  
**Formal Name:** 2,4-dimethyl-5-thiazolecarboxylic acid, ethyl ester  
**MF:** C<sub>8</sub>H<sub>11</sub>NO<sub>2</sub>S  
**FW:** 185.2  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 260 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

ethyl-2,4-dimethyl-Thiazole-5-carboxylate is supplied as a crystalline solid. A stock solution may be made by dissolving the ethyl-2,4-dimethyl-thiazole-5-carboxylate in the solvent of choice, which should be purged with an inert gas. ethyl-2,4-dimethyl-Thiazole-5-carboxylate is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of ethyl-2,4-dimethyl-thiazole-5-carboxylate in these solvents is approximately 50, 20, and 30 mg/ml, respectively.

ethyl-2,4-dimethyl-Thiazole-5-carboxylate is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ethyl-2,4-dimethyl-thiazole-5-carboxylate should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. ethyl-2,4-dimethyl-Thiazole-5-carboxylate has a solubility of approximately 0.1 mg/ml in a 1:10 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

ethyl-2,4-dimethyl-Thiazole-5-carboxylate is a highly functionalized and biased thiazole used for drug discovery. It is used as a heterocyclic building block to specifically modify lead compounds.

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM