Thiamine hydrochloride ab143348

Overview

Product name: Thiamine hydrochloride

Description: Vitamin cofactor


Purity: > 99%

Properties

Chemical name: 2-[3-[(4-Amino-2-methylpyrimidin-5-yl)methyl]-4-methyl-1,3-thiazol-3-ium-5-yl]ethanol chloride hydrochloride

Molecular weight: 337.27

Chemical structure:

Molecular formula: C_{12}H_{18}Cl_{2}N_{4}OS

CAS Number: 67-03-8

PubChem identifier: 6202

Storage instructions: Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in water to 100 mM and in ethanol to 25 mM and in DMSO

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC1=CC(S)=N\{\{\{N\}1CC2=CN=C(N\{\{N\}2N)C\}CCO\}Cl\}Cl

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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