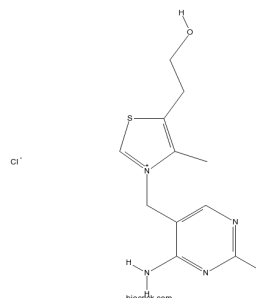


## PHYSICAL AND CHEMICAL PROPERTIES

<b>Product Name:</b>	Thiamine chloride
<b>Catalog Number:</b>	BCN8344
<b>Cas No.:</b>	59-43-8
<b>Formula:</b>	C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> O <sub>s</sub>
<b>M.Wt:</b>	443.0
<b>Purity:</b>	>98%
<b>Physical Description:</b>	White crystalline powder
<b>Synonyms:</b>	Vitamin B1
<b>Chemical Name:</b>	2-[3-[(4-amino-2-methylpyrimidin-5-yl)methyl]-4-methyl-1,3-thiazol-3-ium-5-yl]ethanol;chloride
<b>SMILES:</b>	<chem>CC1=C(SC=[N+]1CC2=CN=C(N=C2N)C)CCO.[Cl-]</chem>
<b>Solubility:</b>	H <sub>2</sub> O : ≥ 100 mg/mL (332.44 mM) DMSO : 1 mg/mL (3.32 mM; Need ultrasonic) *"≥" means soluble, but saturation unknown.



## STORAGE AND SHIPPING

<b>Storage:</b>	Store the product in sealed, cool and dry condition.
<b>General tips:</b>	For obtaining a higher solubility, please warm the tube at 37° and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20° for several months.
<b>Shipping Condition:</b>	Ship with RT , or blue ice upon request

## INTENDED USE

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

## CAUTION!

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most BioCrick products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the*

*product, follow the storage recommendations on the product data sheet.*

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