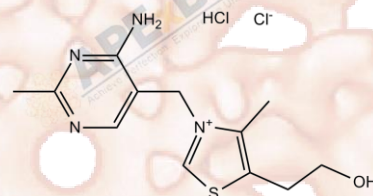


Product Data Sheet

Thiamine HCl (Vitamin B1)

Cat. No.: B1852
CAS No.: 67-03-8
Formula: C₁₂ H₁₇ N₄ OS · HCl
M.Wt: 337.27
Synonyms:
Target:
Pathway:
Storage: Store at -20°C



Solvent & Solubility

insoluble in EtOH; ≥10.9 mg/mL in H₂O; ≥2.52 mg/mL in DMSO with ultrasonic

In Vitro

	Solvent	Mass Concentration	1mg	5mg	10mg
Preparing Stock Solutions		1 mM	2.9650 mL	14.8249 mL	29.6498 mL
		5 mM	0.5930 mL	2.9650 mL	5.9300 mL
		10 mM	0.2965 mL	1.4825 mL	2.9650 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

hydrochloride salt form of thiamine

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

See more customer validations on www.apexbt.com.

References

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 APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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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