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Product Specification

Product Name:

Thiamine hydrochloride – BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture

Product Number:

T1270

CAS Number:

67-03-8

MDL:

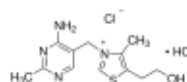
MFCD00012780

Formula:

C₁₂H₁₇ClN₄OS · HCl

Formula Weight:

337.27 g/mol



TEST

Specification

Appearance (Color)

White

Appearance (Form)

Powder

Solubility (Color)

Colorless

Solubility (Turbidity)

Clear

50 mg/mL, H₂O

1H NMR Spectrum

Conforms to Structure

Water (by Karl Fischer)

≤ 7.0 %

Carbon (anhydrous)

42.1 - 43.4 %

Nitrogen (anhydrous)

16.1 - 17.1 %

Cell Culture Test

Pass

Insect Cell Test

Pass

Plant Cell Culture Test

Pass

Purity (HPLC)

≥ 99 %

Recommended Retest Period

3 years

Specification: PRD.3.ZQ5.10000012060

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.