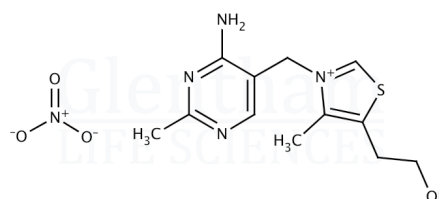


## Product Specification

Product Name	Thiamine nitrate, BP, Ph. Eur. grade
Glentham Code	GV2491
CAS Number	532-43-4
EINECS	208-537-4
MDL Number	MFCD00036330
Molecular Weight	327.36
Molecular Formula	$C_{12}H_{17}N_5O_4S$
Storage Temp.	+20°C



Property	Specification
Physical Description	Colourless crystals or white to almost white crystalline powder
Identification (IR)	To conform to standard
Identification	B, C according to EP
Solubility (2% in water)	Clear solution, colour ≤ Y7
pH (2% in water)	6.8 - 7.6
Impurity A (HPLC)	≤ 0.15%
Impurity B (HPLC)	≤ 0.6%
Impurity C (HPLC)	≤ 0.4%
Any Individual Impurity (HPLC)	≤ 0.1%
Total Impurities (HPLC)	≤ 1.0%
Heavy Metals	≤ 20ppm
Sulphated Ash	≤ 0.1%
Loss on Drying	≤ 1.0%
Assay	98.0 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	BP, Ph. Eur.

Specification Version	- v1.0
Date Created	- 2018-10-05

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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