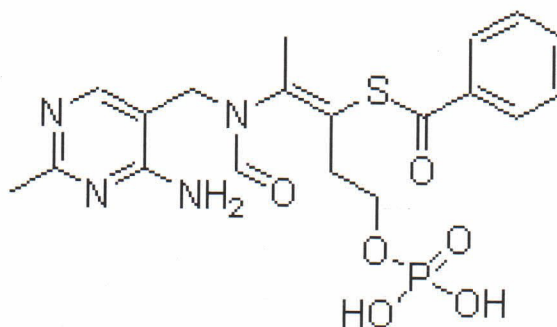


Benfotiamine

Batch no C272407812
Mf date Jul 22 2024
Retest date Jul 21 2026

Molecular Structure



Molecular Formula $C_{19}H_{23}N_4O_6PS$
Molecular Weight 466.45
CAS Registry Number 22457-89-2

Sep 14 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystal or white crystalline powder	White crystalline powder
Identification	HPLC	Positive
Melting point	$\geq 198^{\circ}C$	$204 \sim 207^{\circ}C$
Loss on drying	$\leq 1.5\%$	0.5%
Clarity & color solution	Clear & colorless	Conforms
Chloride	$\leq 0.053\%$	$< 0.053\%$
Sulfate	$\leq 0.011\%$	$< 0.011\%$
Heavy metals	≤ 20 ppm	< 20 ppm
Benzoic acid	$\leq 0.1\%$	0.01%
Thiamine	$\leq 0.15\%$	0.05%
Total impurities	$\leq 1.0\%$	0.3%
Assay	$98.0 \sim 102.0\%$	100.9%

Packaging and storage	Preserve in tight, light-resistant containers
Conclusion	Material complies with in house standard