

### Certificate of Analysis

<b>Product Name</b>	Thiamine pyrophosphate
<b>Catalog No.</b>	V32628
<b>Batch No.</b>	V3262801

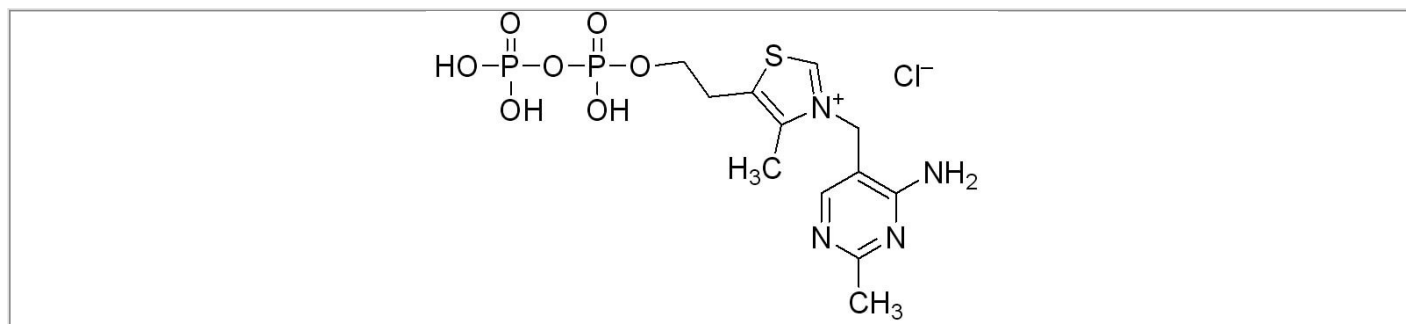
#### 1. Physical and Chemical Properties

<b>Appearance</b>	Powder
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>19</sub> CLN <sub>4</sub> O <sub>7</sub> P <sub>2</sub> S
<b>Molecular Weight</b>	460.7674
<b>Purity</b>	=98.97%
<b>CAS No.</b>	154-87-0
<b>Production Date</b>	2024/05/24

#### 2. Analytical Data

Test Item	Specification	Result
HPLC	≥98%	=98.97%
NMR	Consistent with structure	Confirms

#### 3. Structure



#### 4. Storage Condition

<b>Storage Condition</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

**Products are for research use only • Not for human or veterinary use**