

Sulbutiamine

Catalog No: tcsc7920



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

3286-46-2

Formula:

$C_{32}H_{46}N_8O_6S_2$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 75 mg/mL (106.70 mM)

Alternative Names:

Bisibuthiamine

Observed Molecular Weight:

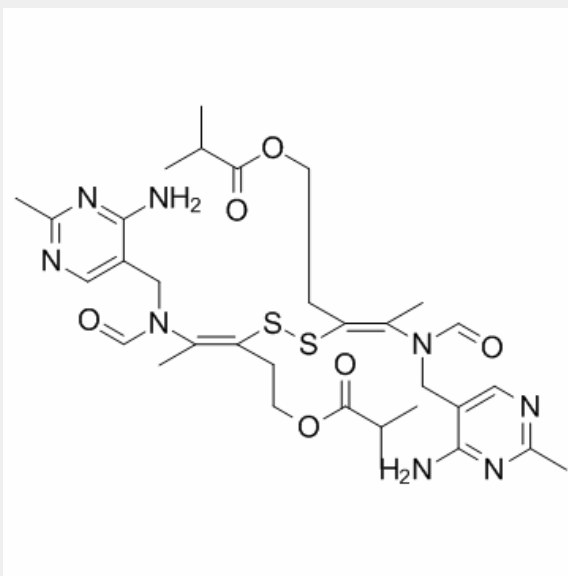
702.89

Product Description

Sulbutiamine is a highly lipid soluble synthetic analogue of vitamin B1, used for the treatment of asthenia.

In Vitro:

Sulbutiamine shows neuroprotective effects on hippocampal CA1 pyramidal neurons subjected to oxygen-glucose deprivation. Sulbutiamine enhances electrophysiological properties such as excitatory synaptic transmissions and intrinsic neuronal membrane input resistance in a concentration-dependent manner^[1]. Sulbutiamine attenuates apoptotic cell death induced by serum deprivation and stimulates GSH and GST activity in a dose dependent manner. Furthermore, sulbutiamine decreases the expression of cleaved caspase-3 and AIF^[2].



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