



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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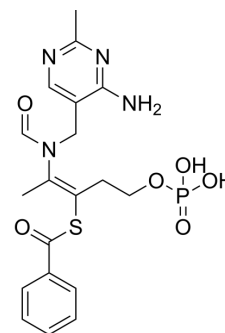
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## Benfotiamine (Standard)

Cat. No.:	HY-17374R
CAS No.:	22457-89-2
Molecular Formula:	C <sub>19</sub> H <sub>23</sub> N <sub>4</sub> O <sub>6</sub> PS
Molecular Weight:	466.45
Target:	HIV; SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Benfotiamine (Standard) is the analytical standard of Benfotiamine. This product is intended for research and analytical applications. Benfotiamine (S-Benzoylthiamine O-monophosphate) is a vitamin B1 derivative that exhibits potent antioxidative and anti-inflammatory activity. Benfotiamine can be used for the research of various secondary diabetic complications. Benfotiamine also can be used in infectious diseases such as HIV and COVID-19<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Allowitz KV, et, al. Therapeutic potential of vitamin B1 derivative benfotiamine from diabetes to COVID-19. *Future Med Chem.* 2022 Jun;14(11):809-826.
- [2]. Bozic I, et, al. Benfotiamine attenuates inflammatory response in LPS stimulated BV-2 microglia. *PLoS One.* 2015 Feb 19;10(2):e0118372.
- [3]. Wu S, et, al. Benfotiamine alleviates diabetes-induced cerebral oxidative damage independent of advanced glycation end-product, tissue factor and TNF-alpha. *Neurosci Lett.* 2006 Feb 13;394(2):158-62.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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