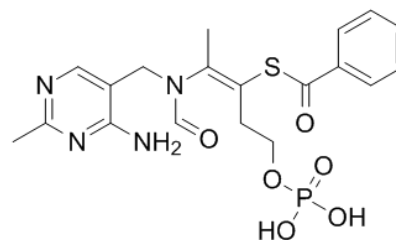


**Product Name** : Benfotiamine  
**Cat. No.** : PC-45197  
**CAS No.** : 22457-89-2  
**Molecular Formula** : C<sub>19</sub>H<sub>23</sub>N<sub>4</sub>O<sub>6</sub>PS  
**Molecular Weight** : 466.4479  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

A synthetic S-acyl derivative of thiamine (vitamin B1) that possesses anti-inflammatory effects; upregulates antioxidative system in activated BV-2 microglia cells; significantly improves the cognitive abilities of mild to moderate AD patients independently of brain amyloid accumulation.

## References

- Bozic I, et al. Front Cell Neurosci. 2015 Sep 4;9:351.  
Pan X, et al. Neurosci Bull. 2016 Dec;32(6):591-596.  
Bozic I, et al. PLoS One. 2015 Feb 19;10(2):e0118372.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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