



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

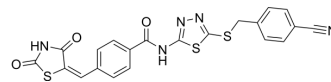
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## MY17

Cat. No.:	HY-162499
Molecular Formula:	C <sub>21</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> S <sub>3</sub>
Molecular Weight:	479.55
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

MY17 is an inhibitor of protein tyrosine phosphatase 1B (PTP1B) ( $IC_{50}=0.41\pm 0.05 \mu M$ ). MY17 alleviates palmitic acid (PA) - induced insulin resistance by up-regulating the expression of phosphorylated insulin receptor substrate (IRS1) and protein kinase B (AKT). By binding with PTP1B, MY17 can inhibit the activity of PTP1B, thereby improving insulin signaling and having anti-diabetic activity. MY17 can be used in the study of type 2 diabetes<sup>[1]</sup>.

## REFERENCES

[1]. Li M, et al. Identification of 1, 3, 4-Thiadiazolyl-Containing Thiazolidine-2, 4-dione Derivatives as Novel PTP1B Inhibitors with Antidiabetic Activity[J]. Journal of Medicinal Chemistry, 2024.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA