



# 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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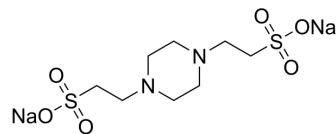
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## PIPES disodium

<b>Cat. No.:</b>	HY-W040147
<b>CAS No.:</b>	76836-02-7
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	346.33
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (288.74 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8874 mL	14.4371 mL	28.8742 mL
	5 mM	0.5775 mL	2.8874 mL	5.7748 mL
	10 mM	0.2887 mL	1.4437 mL	2.8874 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

PIPES (1,4-Piperazinediethanesulfonic acid) disodium is an important component of PIPES buffer agent used in biochemistry<sup>[1]</sup>.

#### In Vitro

To prepare the pH PIPES buffer, 173 g of 1,4-piperazinediethanesulfonic acid are dissolved into 1 L of deionized water. The pH of the PIPES buffer is adjusted to 6.8 by adding pellets of sodium hydroxide. PIPES disodium can be used to PIPES buffer, it can prevent the glutaraldehyde fixation induced lipid loss and artifacts<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jason Moggridge, et al. Sensitive Detection of Immunoglobulin G Stability Using in Real-Time Isothermal Differential Scanning Fluorimetry: Determinants of Protein Stability for Antibody-Based Therapeutics. Technol Cancer Res Treat. 2017 Dec;16(6):997-1005.

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

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