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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

www.szabo-scandic.com

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

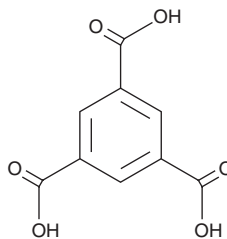
PRODUCT INFORMATION



Trimesic Acid

Item No. 19198

CAS Registry No.: 554-95-0
Formal Name: 1,3,5-benzenetricarboxylic acid
Synonyms: NSC 3998, TMA
MF: C₉H₆O₆
FW: 210.1
Purity: ≥98%
UV/Vis.: λ_{max}: 212 nm
Supplied as: A crystalline solid
Storage: Room temperature
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

Trimesic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the trimesic acid in the solvent of choice. Trimesic acid is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of trimesic acid in ethanol is approximately 0.2 mg/ml and approximately 25 mg/ml in DMSO and DMF.

Trimesic acid is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, trimesic acid should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Trimesic acid has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Trimesic acid is a planar benzoic acid that has been used as a non-immunoglobulin protein scaffold for studies of protein-protein interactions.¹ It also has various industrial uses in synthesizing adhesive and coating materials, plastics engineering, and as a pharmaceutical intermediate.

Reference

1. Lian, W., Upadhyaya, P., Rhodes, C.A., *et al.* Screening bicyclic peptide libraries for protein-protein interaction inhibitors: Discovery of a tumor necrosis factor-α antagonist. *J. Am. Chem. Soc.* **135**(32), 11990-11995 (2013).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM