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

www.szabo-scandic.com

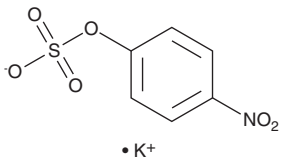
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

p-Nitrophenyl Sulfate (potassium salt)

Item No. 35691

CAS Registry No.: 6217-68-1
Formal Name: sulfuric acid, mono(4-nitrophenyl) ester, monopotassium salt
Synonym: 4-Nitrophenyl Sulfate
MF: $C_6H_4NO_6S \bullet K$
FW: 257.3
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

p-Nitrophenyl sulfate (potassium salt) is supplied as a solid. A stock solution may be made by dissolving the *p*-nitrophenyl sulfate (potassium salt) in the solvent of choice, which should be purged with an inert gas. *p*-Nitrophenyl sulfate (potassium salt) is soluble in acetonitrile.

p-Nitrophenyl sulfate (potassium salt) is soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

p-Nitrophenyl sulfate is a chromogenic substrate for arylsulfatases.[1] Upon enzymatic cleavage by arylsulfatase, *p*-nitrophenyl is released, which can be quantified by colorimetric detection at 400 nm as a measure of arylsulfatase activity.

Reference

1 Leon, Y.A., Bulbrook, R.D., and Corner, E.D. Steroid sulphatase, arylsulphatase and beta-glucuronidase in the Mollusca. *Biochem. J.* **75(3)**, 612-617

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