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## **DATASHEET**

p-Nitrobenzyl mesylate (PNBM)

## **Product overview**

Name p-Nitrobenzyl mesylate (PNBM)

Cat No HB6269

**Biological description** Alkylation reagent. Commonly used to tag substrates for isolation by immunoprecipitation or

immunoaffinity purification or detection by immunoblotting. Alkylates thiophosphates (e.g. substrates phosphorylated with ATPgammaS or N6-benzyl-ATPgammaS) to form thiophosphate ester epitopes that can be recognized by antibodies. Prepare a 50 mM PNBM (12 mg/ml) stock by dissolving PNBM

in DMSO and vortexing.

Biological action Reagent

**Description** Alkylation reagent that alkylates thiophosphates

## **Solubility & Handling**

Storage instructions -20°C

**Solubility overview** soluble in DMSO to 100 mM

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

## **Chemical Data**

Chemical name 4-nitro-benzenemethanol, 1-methanesulfonate

 $\begin{tabular}{lll} \textbf{Molecular Weight} & 231.22 \\ \textbf{Molecular Formula} & $C_8H_9NO_5S$ \\ \textbf{CAS Number} & 39628-94-9 \\ \textbf{PubChem identifier} & 18924794 \\ \end{tabular}$ 

**SMILES** CS(=O)(=O)OCC1=CC=C(C=C1)[N+](=O)[O-]

Source Synthetic