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DATASHEET

p-Nitrobenzyl mesylate (PNBM)

Product overview

Name	p-Nitrobenzyl mesylate (PNBM)
Cat No	HB6269
Biological action	Reagent
Description	Alkylation reagent that alkylates thiophosphates

Biological Data

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.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	soluble in DMSO to 100 mM
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
Molecular Weight	231.22
Molecular Formula	C ₈ H ₉ NO ₅ S
CAS Number	39628-94-9
PubChem identifier	18924794
SMILES	CS(=O)(=O)OCC1=CC=C(C=C1)[N+](=O)[O-]
Source	Synthetic
