

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



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## DATASHEET

### p-Nitrobenzyl mesylate (PNBM)

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#### Product overview

<b>Name</b>	p-Nitrobenzyl mesylate (PNBM)
<b>Cat No</b>	HB6269
<b>Biological description</b>	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.
<b>Biological action</b>	Reagent
<b>Description</b>	Alkylation reagent that alkylates thiophosphates

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#### Solubility & Handling

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	soluble in DMSO to 100 mM
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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#### Chemical Data

<b>Chemical name</b>	4-nitro-benzenemethanol, 1-methanesulfonate
<b>Molecular Weight</b>	231.22
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>9</sub> NO <sub>5</sub> S
<b>CAS Number</b>	39628-94-9
<b>PubChem identifier</b>	18924794
<b>SMILES</b>	CS(=O)(=O)OCC1=CC=C(C=C1)[N+](=O)[O-]
<b>Source</b>	Synthetic

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