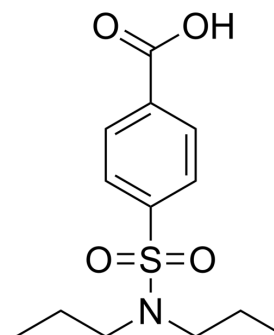


Probenecid (Standard)

Cat. No.:	HY-B0545R
CAS No.:	57-66-9
Molecular Formula:	C ₁₃ H ₁₉ NO ₄ S
Molecular Weight:	285.36
Target:	TRP Channel; Bacterial; HIV
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

0.5 M NaOH : 100 mg/mL (350.43 mM; ultrasonic and adjust pH to 12 with NaOH)

DMSO : ≥ 100 mg/mL (350.43 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.5043 mL	17.5217 mL	35.0435 mL
5 mM	0.7009 mL	3.5043 mL	7.0087 mL		
10 mM	0.3504 mL	1.7522 mL	3.5043 mL		

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Probenecid (Standard) is the analytical standard of Probenecid. This product is intended for research and analytical applications. Probenecid is a potent and selective agonist of transient receptor potential vanilloid 2 (TRPV2) channels. Probenecid also inhibits pannexin 1 channels.

CUSTOMER VALIDATION

- Cell Res. 2022 Apr 22.
- Immunity. 2022 Mar 15;S1074-7613(22)00124-8.
- Cell Mol Immunol. 2020 Mar;17(3):261-271.
- Int J Biol Sci. 2022 Apr 11;18(7):2914-2931.
- J Agric Food Chem. 2016 Oct 26;64(42):7899-7910.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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