Data Sheet (Cat.No.TSH-00061)

TargetMol

Potassium Bromide

Chemical Properties

CAS No. : 7758-02-3

Formula: BrK

Molecular Weight: 119

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Potassium bromide is a biochemical reagent that can be used as a sedative or in combination with phenobarbital as an anticonvulsant drug, and is widely applied in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 3 mg/mL (25.21 mM),Sonication is recommended. H2O: 80 mg/mL (672.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.4034 mL	42.0168 mL	84.0336 mL
5 mM	1.6807 mL	8.4034 mL	16.8067 mL
10 mM	0.8403 mL	4.2017 mL	8.4034 mL
50 mM	0.1681 mL	0.8403 mL	1.6807 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Faezeh Safdari, et al. Effect of acute and long term potassium bromide administration on spatial working memory in rat. Res Pharm Sci. 2017 Apr;12(2):154-159.

Xiaofei Miao, et al. Dual-redox enhanced supercapacitors with sodium anthraquinone-2-sulfonate and potassium bromide. Electrochimica Acta. Volume 374, 1 April 2021, 137889.

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