

Dragendorff reagent

Chemical Properties

CAS No. :	39775-75-2
Formula:	BiI4K
Molecular Weight:	755.7
Storage:	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	Dragendorff reagent can detect alkaloids and other nitrogen-containing compounds. It is a bismuth potassium iodide solution composed of basic bismuth nitrate (Bi(NO ₃) ₃), tartaric acid, and potassium iodide (KI). When Dragendorff reagent comes into contact with alkaloids, it forms an orange or orangish-red precipitate.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3233 mL	6.6164 mL	13.2328 mL
5 mM	0.2647 mL	1.3233 mL	2.6466 mL
10 mM	0.1323 mL	0.6616 mL	1.3233 mL
50 mM	0.0265 mL	0.1323 mL	0.2647 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.

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