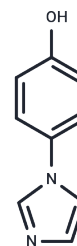


4-(Imidazol-1-yl)phenol

Chemical Properties

CAS No. :	10041-02-8
Formula:	C ₉ H ₈ N ₂ O
Molecular Weight:	160.176
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	4-(Imidazol-1-yl)phenol is a potent signal enhancer in horseradish peroxidase (HRP)-luminol chemiluminescence (CL) immunoassays [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.243 mL	31.2149 mL	62.4298 mL
5 mM	1.2486 mL	6.243 mL	12.486 mL
10 mM	0.6243 mL	3.1215 mL	6.243 mL
50 mM	0.1249 mL	0.6243 mL	1.2486 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

Yannis Dotsikas, et al. Employment of 4-(1-imidazolyl)phenol as a luminol signal enhancer in a competitive-type chemiluminescence immunoassay and its comparison with the conventional antigen-horseradish peroxidase conjugate-based assay. *Analytica Chimica Acta*. Volume 509, Issue 1, 29 April 2004, Pages 103-109.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481