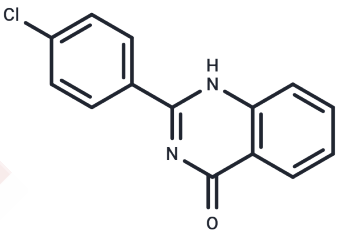
Data Sheet (Cat.No.T71765)

TargetMol

2-(4-chlorophenyl)quinazolin-4-ol

Chemical Properties



CAS No. : 7455-77-8

Formula: C14H9ClN2O

Molecular Weight: 256.69

Storage: Store at low temperature
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	2-(4-chlorophenyl)quinazolin-4-ol is an effective inhibitor of β-glucuronidase (IC_{50} = 39.8 μM), and can be used in the study of glucuronidase-related diseases.
Targets(IC50)	Glucosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8957 mL	19.4787 mL	38.9575 mL
5 mM	0.7791 mL	3.8957 mL	7.7915 mL
10 mM	0.3896 mL	1.9479 mL	3.8957 mL
50 mM	0.0779 mL	0.3896 mL	0.7791 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

Muhammad Iqbal Choudhary, et al. Quinazolines as b-glucuronidase novel inhibitors. US20140256754A1.
Hu K, Lai Y, Zhou J, et al.Aberrant activation of adenine nucleotide translocase 3 promotes progression and chemoresistance in multiple myeloma dependent on PINK1 transport.International Journal of Biological Sciences. 2025, 21(1): 233.

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