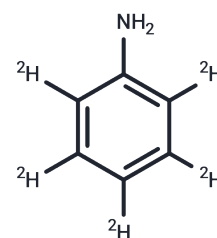


## Aniline-D5

## Chemical Properties

CAS No. :	4165-61-1
Formula:	C6H7N
Molecular Weight:	98.16
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	Aniline-D5 is a deuterated isotope marker of Aniline (T207053), which can be used for isotope tracing. Aniline induces toxicity to the spleen through iron overload and oxidative stress via heme oxygenase 1 up-regulation and is able to lead to a significant increase in p-IKK $\alpha$ and p-IKK $\beta$ , which in turn increases NF- $\kappa$ B and AP-1 binding activity.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.1874 mL	50.9372 mL	101.8745 mL
5 mM	2.0375 mL	10.1874 mL	20.3749 mL
10 mM	1.0187 mL	5.0937 mL	10.1874 mL
50 mM	0.2037 mL	1.0187 mL	2.0375 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

Greve C, Nibbering ET, Fidler H. Hydrogen-bonding-induced enhancement of Fermi resonances: a linear IR and nonlinear 2D-IR study of aniline-d5. J Phys Chem B. 2013 Dec 12;117(49):15843-55.

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