



Deuterated Reagents

For Pharmaceutical and Synthetic Applications



Cambridge Isotope Laboratories, Inc. (CIL) offers over 15,000 stable isotope-labeled products for your synthetic applications, including the manufacturing of APIs. Many labeling patterns are available for common starting materials. For more than 40 years, CIL has offered:

- Expertise and quality service from initial quote request through delivery
- Flexibility of scale for custom and catalog products from milligram to multikilogram quantities
- cGMP capabilities for manufacturing raw materials and bulk APIs

In recent years, some pharmaceutical companies have begun to investigate deuteration of molecules that may provide advantages over their existing nondeuterated counterparts. In addition, increasing research into the potential medical benefits of new deuterated drugs is also occurring. The potential advantages of deuterated pharmaceuticals include:

Improved metabolic profile. The improved metabolic profile may potentially reduce or eliminate unwanted side effects or undesirable drug interactions.

Catalog No.	Description
DLM-108	Acenaphthene-d ₁₀ (D, 99%)
DLM-112	Acetaldehyde-d (D, 99%)
DLM-1556	Acetic acid-d (D, 98%)
DLM-12RG*	Acetic acid-d ₄ (D, 99%)
DLM-1162	Acetic anhydride-d ₆ (D, 98%)
DLM-9RG*	Acetone-d ₆ (D, 99.5%)
DLM-247	Acetyl chloride-d ₃ (D, 98%)
DLM-322	Acetylene-d ₂ (D, 99%)
DLM-855	Acrylic-2,3,3-d ₃ acid (D, 98%) + 0.1% 4-methoxyphenol <5% H ₂ O
DLM-710RG*	Ammonium deutoeroxide-d ₅ (D, 99%) ~25% sol in D ₂ O
DLM-862	Aniline-ring-d ₅ (D, 98%)
DLM-102	Anthracene-d ₁₀ (D, 98%)
DLM-610	Benz[a]anthracene-d ₁₂ (D, 98%)
DLM-1RG*	Benzene-d ₆ (D, 99%)
DLM-494	Biphenyl-d ₁₀ (D, 98%)
DLM-1315	Borane-d ₃ (D, 98%) 1 molar in THF (+ 0.005M NaBD ₄)

*RG = reagent grade

Chemical purity (CP) is 98% or greater, unless otherwise indicated.
For research use only. Not for use in diagnostic procedures.

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