



Cambridge Isotope Laboratories, Inc.
isotope.com

RESEARCH PRODUCTS

Enhancing OLED Performance with ISOLED-D™ Advanced Intermediates



Deuterated reagents are increasingly recognized for their critical role in optimizing OLED technology. Cambridge Isotope Laboratories, Inc. (CIL) introduces ISOLED-D™, a line of large-scale, cost-effective deuterated intermediates. These reagents are specifically designed for implementation in both early and late-stage synthetic routes for OLED materials. Key features of ISOLED-D products include:

Scalable Synthesis: The manufacturing processes are engineered for high-volume production, ensuring consistent and reliable supply for industrial applications.

Tritium-Free: ISOLED's commitment to quality includes using only deuterium that is free of tritium contamination

Traceable Sourcing: The deuterium source is fully traceable to countries outside embargo restrictions, providing supply-chain security and regulatory compliance.

By leveraging ISOLED-D deuterated reagents, as an OLED manufacturer you will achieve a more secure and streamlined supply chain. CIL is pleased to offer products to support your OLED research.

Naphthalene(s) Derivatives

Naphthalene (D₈)
1-Bromonaphthalene (2,3,4,5,6,7,8-D₇)
1-Naphthalenylboronic acid (2,3,4,5,6,7,8-D₇)
1-Chloronaphthalene (2,3,4,5,6,7,8-D₇)
1-Hydroxynaphthalene (D₇)
2-Bromonaphthalene (D₇)
2-Chloronaphthalene (D₇)

Anthracene(s) Derivatives

9-Bromo-10-phenylanthracene-D₁₃
9-Bromo-10-(2-naphthyl)-anthracene-D₁₅
Anthracene (D₁₀)
9-Bromoanthracene (D₉)
9-(Naphthalen-1-yl) anthracene (D₁₆)
9-Bromo-10-(naphthalen-1-yl) anthracene (D₁₅)
(10-Phenylanthracen-9-yl)boronic acid
(1,2,3,4,5,6,7,8-D₈)
9-Phenylanthracene (phenyl-D₅)

Benzene(s) Derivatives

Aniline (ring-D₅)
Aniline (D₇)
Nitrobenzene-D₅
2,4-Dichloro-6-(phenyl-D₅)-1,3,5-triazine
Phenyl-D₅-boronic acid
4'-Bromo-2,3,4,5,6-D₅-biphenyl
1-Bromo-4-iodobenzene (D₄)
3-Bromo-9-(phenyl-2,3,4,5,6-D₅)-9H-carbazole
3'-Bromo-2,3,4,5,6-D₅-biphenyl
2-Bromo-fluorobenzene (D₄)

Phenol(s)

Phenol-(D₆)
Phenol (ring-D₅)

Additional Compounds

4-Bromotoluene (methyl-D₃)
4-Bromotoluene (2,3,5,6-D₄)
4-Chlorotoluene (methyl-D₃)
Enzofuro[2,3-β]pyridine, 2-(methyl-D₃)-8-(2-pyridinyl)
9-(Phenyl-2,3,4,5,6-D₅)-3-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole
3-Bromo-9-(phenyl-2,3,4,5,6-D₅)-9H-carbazole
Carbazole (ring-D₈)
4-Bromobiphenyl (D₉)
3-Bromo-2,3,4,5,6-D₅-biphenyl
4-Bromo-2,3,4,5,6-D₅-biphenyl
1-Bromo-4-iodobenzene (D₄)
2-Chloro-4-phenylquinazoline (D₅)
Phthalic anhydride- (D₄)
O-Xylene (D₁₀)
O-Xylene (ring-D₄)
2,4-Dichloro-6-(phenyl-D₅)-1,3,5-triazine
Toluene (D₈)
Toluene (ring-D₅)
4-Bromotoluene (D₇)

ISOLED-D™

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DEUT ISOLED REAGENTS (4/3/25)
Supersedes all previously published literature