CAS SciFinder

Task History

Initiating Search

February 21, 2025, 10:42 AM

Substances:

Filtered By:

Structure Match: **As Drawn**

Search Tasks

Task	Search Type	View
Returned Substance Results + Filters (2,301)	Substances	View Results
Exported: Retrieved Related Reaction Results + Filters (47) Filtered By: Structure Match: **As Drawn** Kept Selected Results	Reactions	View Results

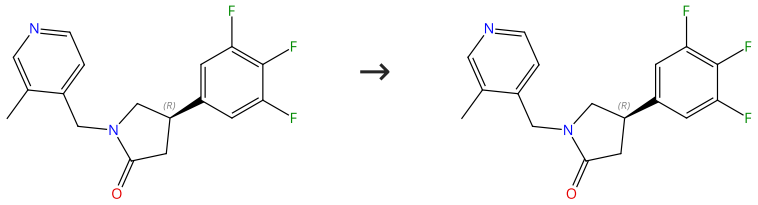
CAS SciFinder

Reactions (44)

View in CAS SciFinder

Scheme 1 (1 Reaction)

Steps: **1** Yield: **99%**



Absolute stereochemistry shown

Absolute stereochemistry shown

Suppliers (22)

31-614-CAS-39216789

Steps: **1** Yield: **99%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; -196 °C → rt; 20 h, rt

Experimental Protocols

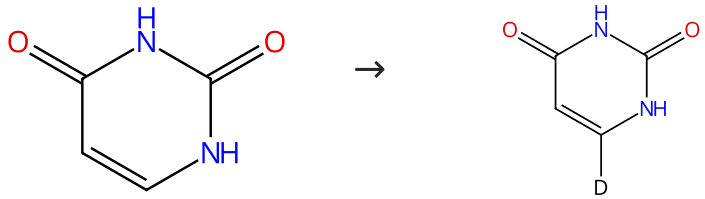
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 2 (1 Reaction)

Steps: **1** Yield: **96%**



Suppliers (145)

Suppliers (17)

31-116-CAS-4988718

Steps: **1** Yield: **96%**

1.1 **Reagents:** Deuterium, Sodium hydroxide-*d*
Catalysts: Calcium carbonate, Palladium
Solvents: Water-d_2

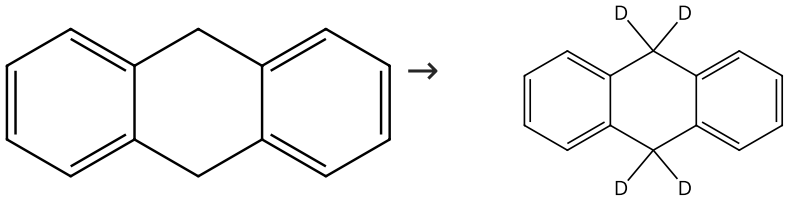
Syntheses of [5-^{2}H]-uracil, [5-^{2}H]-cytosine, [6-^{2}H]-uracil and [6-^{2}H]-cytosine

By: Kiritani, Reiko; et al

Journal of Labelled Compounds and Radiopharmaceuticals (1986), 23(2), 207-14.

Scheme 3 (1 Reaction)

Steps: **1** Yield: **95%**



Suppliers (68)

Supplier (1)

31-116-CAS-5203181 Steps: **1** Yield: **95%**

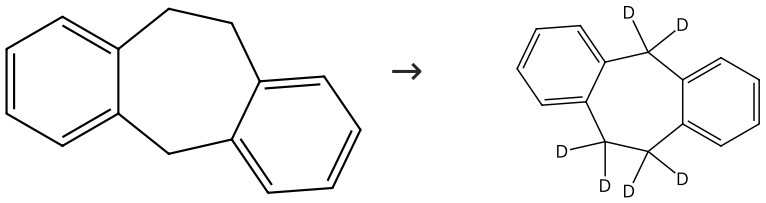
1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 4 (1 Reaction) Steps: **1** Yield: **93%**



Suppliers (40)

31-116-CAS-11664295 Steps: **1** Yield: **93%**

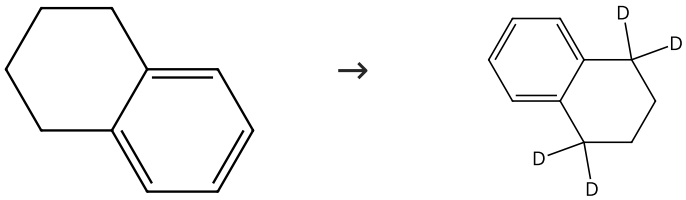
1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

High-resolution EPR spectroscopic investigations of a homologous set of d^9-cobalt(0), d^9-rhodium(0), and d^9-iridium (0) complexes

By: Deblon, Stephan; et al

Chemistry - A European Journal (2002), 8(3), 601-611.

Scheme 5 (2 Reactions) Steps: **1** Yield: **90-92%**



Suppliers (104)

31-116-CAS-11267807 Steps: **1** Yield: **92%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

Hydrogen transfer reactions. 15. The transition state in the dehydrogenation of dihydroarenes by quinones

By: Radtke, Rainer; et al

Chemische Berichte (1990), 123(3), 627-33.

31-116-CAS-3074194 Steps: **1** Yield: **90%**

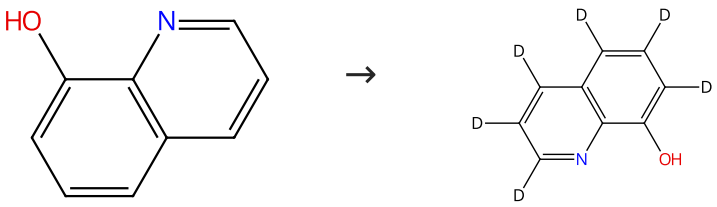
1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 6 (1 Reaction) Steps: **1** Yield: **92%**



Suppliers (141)

Suppliers (5)

31-116-CAS-9297566 Steps: **1** Yield: **92%**

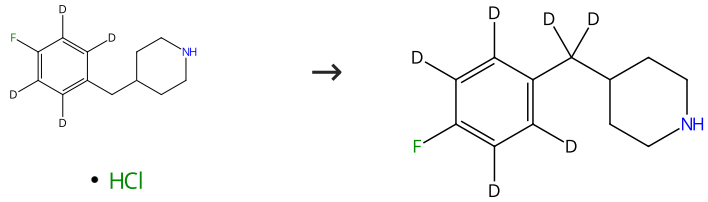
1.1 **Reagents:** Deuterium, Water-d_2
Catalysts: Palladium
Solvents: Water-d_2; 16 h, 145 °C

Synthesis of a delta opioid agonist in [$^{2}H_6$], [$^{2}H_4$], [^{11}C], and [^{14}C] labeled forms

By: Elmore, Charles S.; et al

Journal of Labelled Compounds and Radiopharmaceuticals (2011), 54(14), 847-854.

Scheme 7 (1 Reaction) Steps: **1** Yield: **90%**



• HCl

31-116-CAS-4563156 Steps: **1** Yield: **90%**

1.1 **Reagents:** Deuterium chloride, Deuterium
Catalysts: Palladium
Solvents: Methanol-d, Water-d_2; 6 h, 3 bar, 60 °C

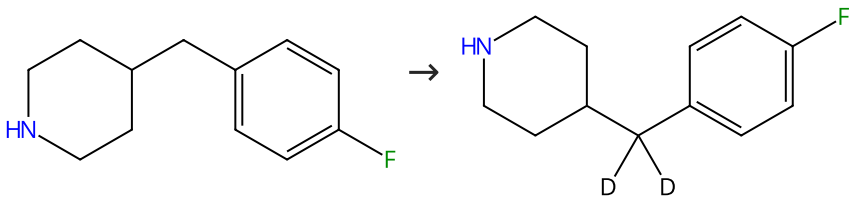
1.2 **Reagents:** Sodium hydroxide
Solvents: Water

Convenient methods for the synthesis of d_4, d_2 and d_6 isotop omers of 4-(4-fluorobenzyl)piperidine

By: Proszenyak, Agnes; et al

Journal of Labelled Compounds & Radiopharmaceuticals (2005), 48(6), 421-427.

Scheme 8 (1 Reaction) Steps: **1** Yield: **90%**



Suppliers (79)

31-116-CAS-11564808 Steps: **1** Yield: **90%**

1.1 **Reagents:** Deuterium chloride, Deuterium
Catalysts: Palladium
Solvents: Methanol-d, Water-d_2; 6 h, 3 bar, 60 °C

1.2 **Reagents:** Sodium hydroxide
Solvents: Water

Convenient methods for the synthesis of d_4, d_2 and d_6 isotop omers of 4-(4-fluorobenzyl)piperidine

By: Proszenyak, Agnes; et al

Journal of Labelled Compounds & Radiopharmaceuticals (2005), 48(6), 421-427.

Scheme 9 (1 Reaction)

Steps: **1** Yield: **88%**

Suppliers (87)

Supplier (1)

31-116-CAS-7646392

Steps: **1** Yield: **88%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

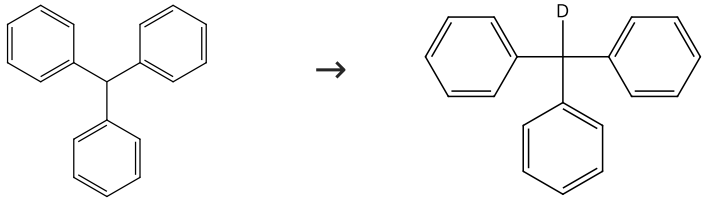
A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 10 (1 Reaction)

Steps: **1** Yield: **87%**



Suppliers (85)

Suppliers (2)

31-116-CAS-5486131

Steps: **1** Yield: **87%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

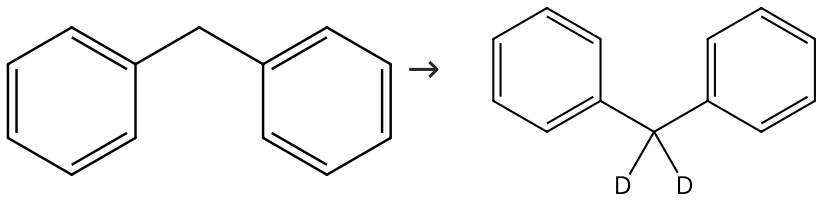
A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 11 (1 Reaction)

Steps: **1** Yield: **85%**



Suppliers (87)

Suppliers (4)

31-116-CAS-9493526

Steps: **1** Yield: **85%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

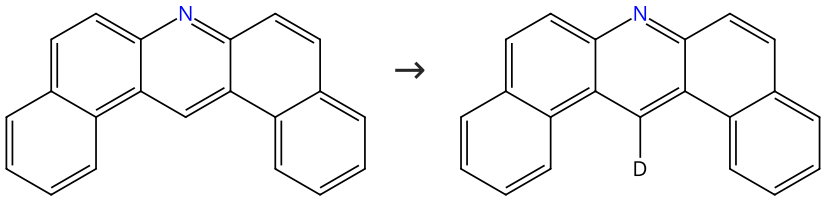
A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 12 (1 Reaction)

Steps: **1** Yield: **83%**



Suppliers (33)

31-116-CAS-13699197

Steps: **1** Yield: **83%**

1.1 **Reagents:** Calcium carbonate, Deuterium
Catalysts: Palladium
Solvents: 1,4-Dioxane

1.2 **Reagents:** Oxygen
Solvents: Acetic acid

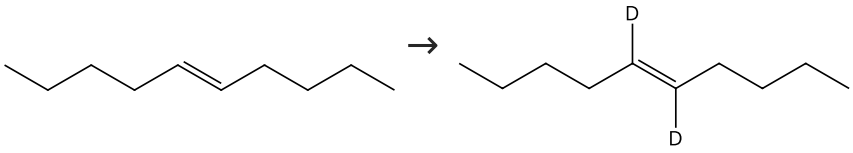
The preparation of regiospecific tritiated and deuterated dibenzacridines by catalytic exchange and [14-^{14}C]dibenz[a,j] acridine

By: Rosario, Christopher A.; et al

Journal of Labelled Compounds and Radiopharmaceuticals (1987), 24(1), 23-8.

Scheme 13 (1 Reaction)

Steps: **1** Yield: **81%**



Suppliers (6)

31-116-CAS-3679279

Steps: **1** Yield: **81%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Diethyl ether; 1.5 h, 1 bar, rt

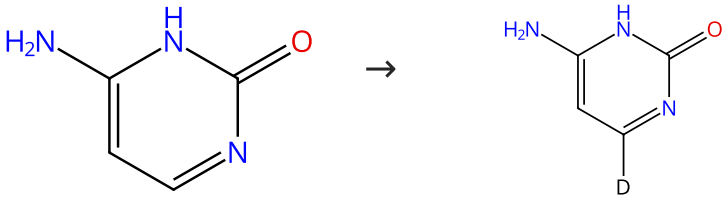
Reactivity of γ-chloro-*gem*-trichloro alkanes with chromous chloride

By: Tisserand, Steve; et al

Tetrahedron Letters (2006), 47(29), 5177-5180.

Scheme 14 (1 Reaction)

Steps: **1** Yield: **79%**



Suppliers (129)

31-116-CAS-7264406

Steps: **1** Yield: **79%**

1.1 **Reagents:** Deuterium, Sodium hydroxide-*d*
Catalysts: Calcium carbonate, Palladium
Solvents: Water-d_2

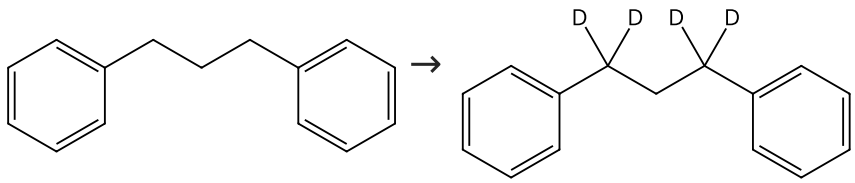
Syntheses of [5-^{2}H]-uracil, [5-^{2}H]-cytosine, [6-^{2}H]-uracil and [6-^{2}H]-cytosine

By: Kiritani, Reiko; et al

Journal of Labelled Compounds and Radiopharmaceuticals (1986), 23(2), 207-14.

Scheme 15 (1 Reaction)

Steps: **1** Yield: **74%**



Suppliers (70)

Supplier (1)

31-116-CAS-975958

Steps: **1** Yield: **74%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

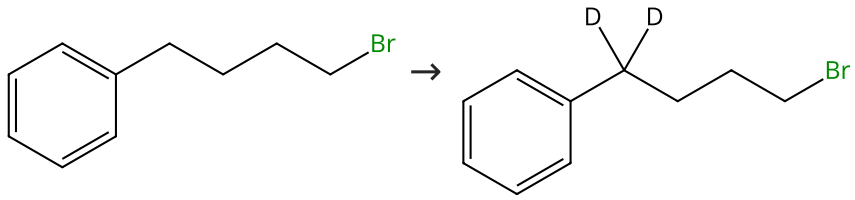
A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 16 (1 Reaction)

Steps: **1** Yield: **74%**



Suppliers (88)

Supplier (1)

31-116-CAS-17238853

Steps: **1** Yield: **74%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Methanol-d_4; 20 h, rt

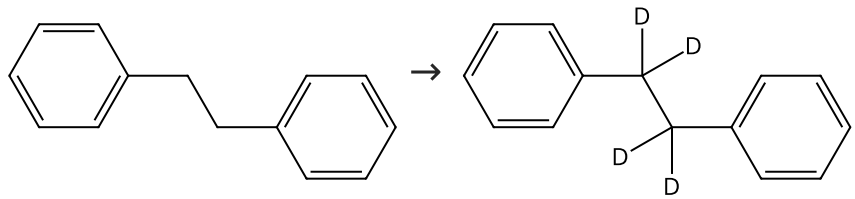
Cobalt-Porphyrin-Catalysed Intramolecular Ring-Closing C-H Amination of Aliphatic Azides: A Nitrene-Radical Approach to Saturated Heterocycles

By: Kuijpers, Petrus F.; et al

Chemistry - A European Journal (2017), 23(33), 7945-7952.

Scheme 17 (1 Reaction)

Steps: **1** Yield: **70%**



Suppliers (93)

Supplier (1)

31-116-CAS-3363492

Steps: **1** Yield: **70%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 18 (1 Reaction)

Steps: **1** Yield: **54%**

Suppliers (56)

31-116-CAS-20244030

Steps: **1** Yield: **54%**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Water-d_2; 18 h, 2 bar, 150 °C

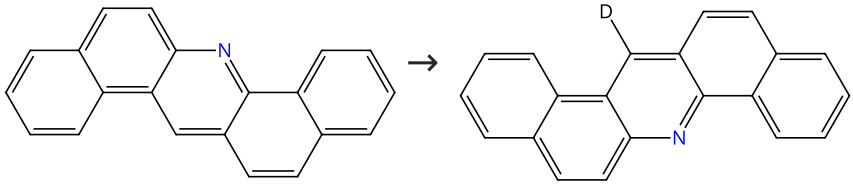
Fine-tuning the efficiency of para-hydrogen-induced hyperpolarization by rational N-heterocyclic carbene design

By: Rayner, Peter J.; et al

Nature Communications (2018), 9(1), 1-11.

Scheme 19 (1 Reaction)

Steps: **1** Yield: **34%**



Suppliers (31)

31-116-CAS-2451998

Steps: **1** Yield: **34%**

1.1 **Reagents:** Calcium carbonate, Deuterium
Catalysts: Palladium
Solvents: 1,4-Dioxane

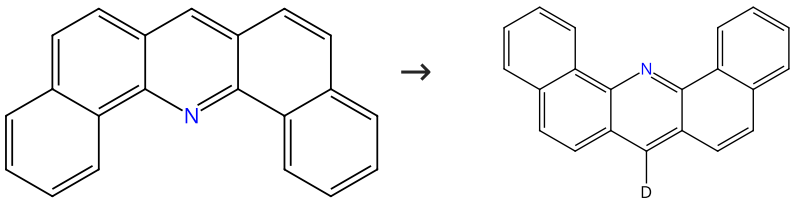
The preparation of regiospecific tritiated and deuterated dibenzacridines by catalytic exchange and [14-^{14}C]dibenz[a,j] acridine

By: Rosario, Christopher A.; et al

Journal of Labelled Compounds and Radiopharmaceuticals (1987), 24(1), 23-8.

Scheme 20 (1 Reaction)

Steps: **1** Yield: **17%**



Suppliers (21)

31-116-CAS-6709832

Steps: **1** Yield: **17%**

1.1 **Reagents:** Calcium carbonate, Deuterium
Catalysts: Palladium
Solvents: 1,4-Dioxane

1.2 **Reagents:** Oxygen
Solvents: Acetic acid

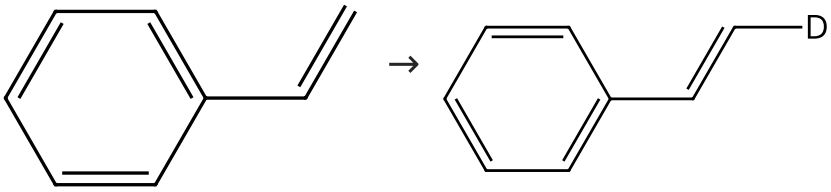
The preparation of regiospecific tritiated and deuterated dibenzacridines by catalytic exchange and [14-^{14}C]dibenz[a,j] acridine

By: Rosario, Christopher A.; et al

Journal of Labelled Compounds and Radiopharmaceuticals (1987), 24(1), 23-8.

Scheme 21 (1 Reaction)

Steps: **1**



Suppliers (122)

Supplier (1)

31-614-CAS-36265911

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 MPa, 30 °C

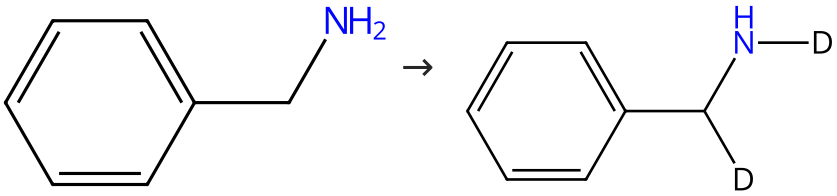
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 22 (1 Reaction)

Steps: **1**



Suppliers (87)

31-116-CAS-21488071

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: 4-Methylbenzylamine (complexes with palladium), Palladium (complexes with aryl amines)
Solvents: Water; 1 h, pH 2, 1 atm, rt

Experimental Protocols

Efficient and Mild Reductive Amination of Carbonyl Compounds Catalyzed by Dual-Function Palladium Nanoparticles

By: Jv, Xinchun; et al

ACS Sustainable Chemistry & Engineering (2020), 8(3), 1618-1626.

Scheme 23 (1 Reaction)

Steps: **1**

31-614-CAS-28234664

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Benzene

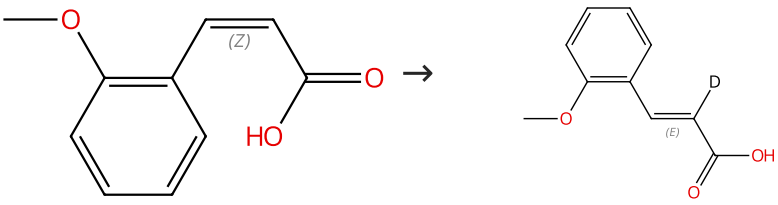
Tritium nuclear magnetic resonance spectroscopy of bepridil-pyrrolidine-t

By: Kaspersen, Frans M.; et al

Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1986), (4), 585-91.

Scheme 24 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (58)

31-614-CAS-36265915

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 M Pa, 30 °C

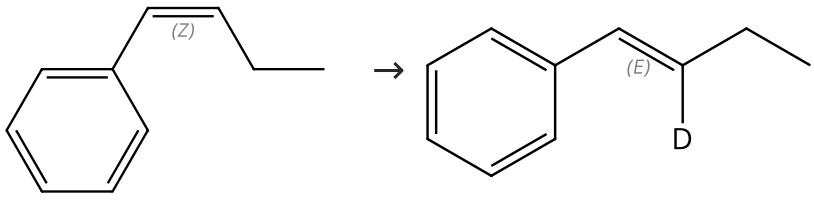
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 25 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (4)

31-614-CAS-36265917

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 M Pa, 30 °C

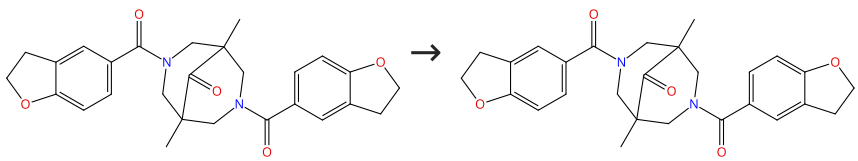
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 26 (1 Reaction)

Steps: **1**



31-614-CAS-29070914

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium

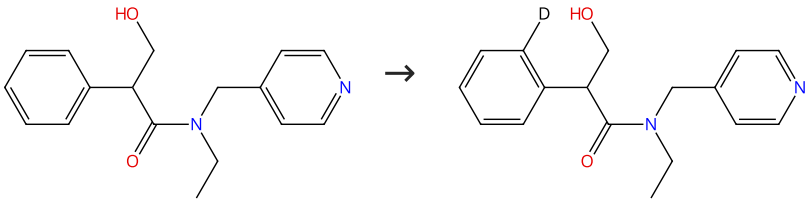
Synthesis of tritium-labeled PAM-43

By: Nagaev, Igor Yu.; et al

Mendeleev Communications (2018), 28(1), 64-65.

Scheme 27 (1 Reaction)

Steps: **1**



31-614-CAS-26649657

Steps: **1**

1.1 **Catalysts:** Trifluoroacetic acid, Palladium diacetate
Solvents: 1,1,1,3,3,3-Hexafluoro-2-propanol; 2 h, 40 °C; 40 °C → 23 °C

1.2 **Reagents:** Cesium carbonate
Catalysts: 2-(Di-*tert*-butylphosphino)biphenyl
Solvents: 1,1,1,3,3,3-Hexafluoro-2-propanol; 10 min, 23 °C

1.3 **Reagents:** Deuterium; 18 h, 23 °C

Experimental Protocols

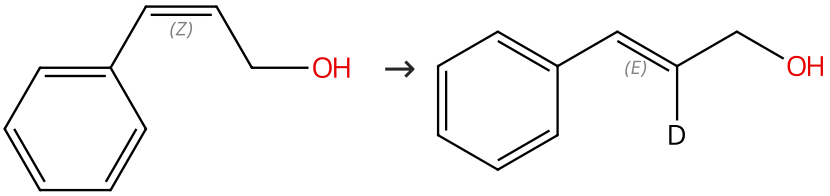
Palladium(II)-Mediated C-H Tritiation of Complex Pharmaceuticals

By: Yang, Haifeng; et al

Angewandte Chemie, International Edition (2018), 57(7), 1883-1887.

Scheme 28 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (40)

Supplier (1)

31-614-CAS-36265920

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 MPa, 30 °C

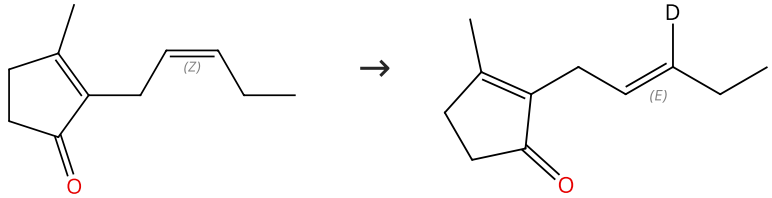
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 29 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (68)

31-614-CAS-36265916

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 MPa, 30 °C

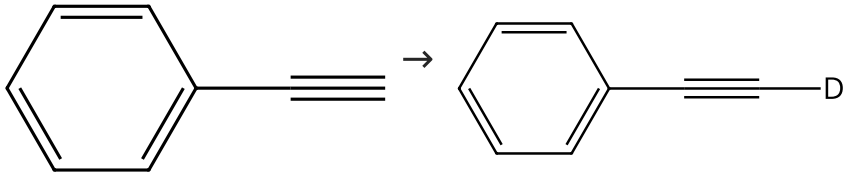
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 30 (1 Reaction)

Steps: **1**



Suppliers (73)

Suppliers (11)

31-614-CAS-36089369

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium, Niobium carbide (Nb_2C)
Solvents: Isopropanol; 0.1 MPa, rt → 298 K

Experimental Protocols

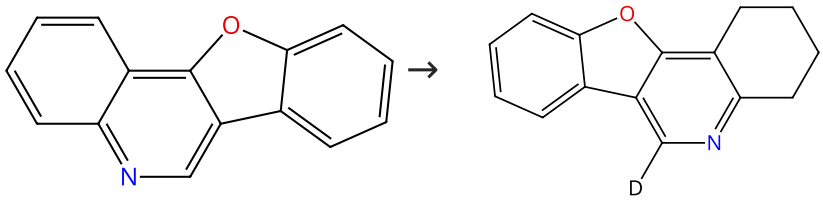
Tripodal Pd metallenes mediated by Nb_2C MXenes for boosting alkynes semihydrogenation

By: Wei, Zhongzhe; et al

Nature Communications (2023), 14(1), 661.

Scheme 31 (1 Reaction)

Steps: **1**



Suppliers (2)

31-614-CAS-39390206

Steps: **1**

1.1 **Reagents:** Acetic acid, Deuterium
Catalysts: Palladium; 24 h, 80 °C

1.2 **Reagents:** Sodium bicarbonate

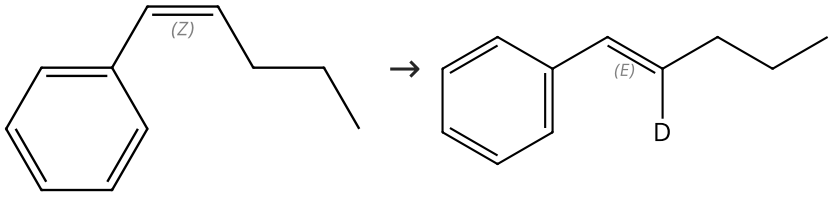
Regioselective Partial Hydrogenation and Deuteration of Tetracyclic (Hetero)aromatic Systems Using a Simple Heterogeneous Catalyst

By: Kehoe, Roberta A.; et al

Chemistry - A European Journal (2024), 30(17), e202400102.

Scheme 32 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (3)

31-614-CAS-36265914

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 MPa, 30 °C

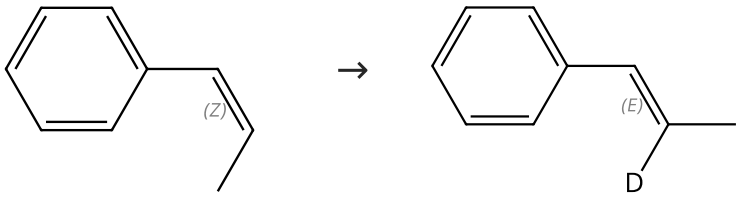
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimination

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 33 (1 Reaction)

Steps: **1**



Double bond geometry shown

Double bond geometry shown

Suppliers (69)

Supplier (1)

31-614-CAS-36265910

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Copper oxide (Cu_2O), Palladium; 450 min, 0.1 M Pa, 30 °C

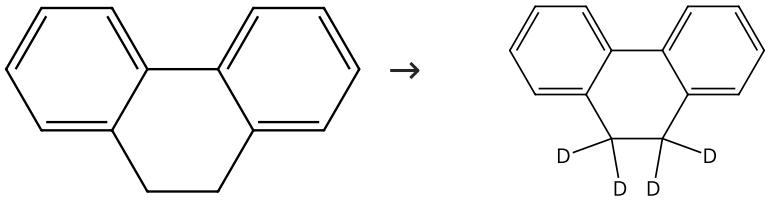
Atomically dispersed palladium catalyzes H/D exchange and isomerization of alkenes via reversible insertion and elimin ation

By: Liu, Kunlong; et al

Chem Catalysis (2021), 1(7), 1480-1492.

Scheme 34 (1 Reaction)

Steps: **1**



Suppliers (52)

31-116-CAS-7399973

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Acetic acid-*d*

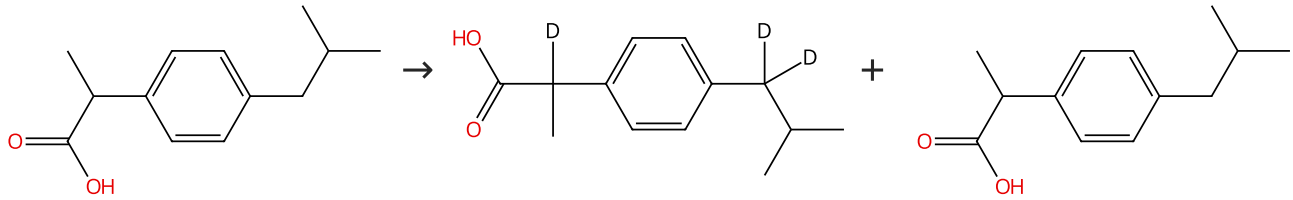
A selective method for deuterium exchange in hydroar omatic compounds

By: Ofosu-Asante, K.; et al

Journal of Organic Chemistry (1986), 51(26), 5452-4.

Scheme 35 (1 Reaction)

Steps: **1**



Suppliers (157)

31-614-CAS-39216784

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

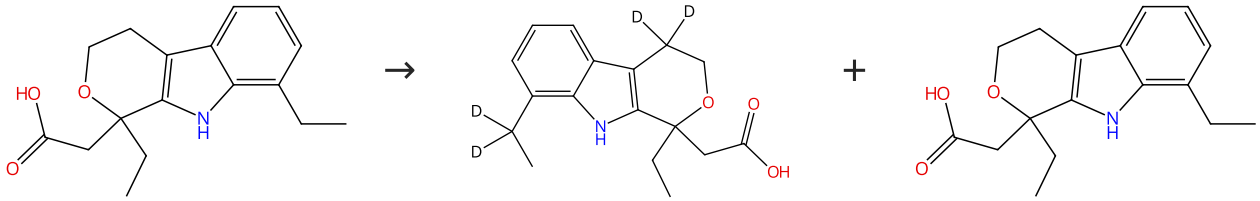
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 36 (1 Reaction)

Steps: **1**



Suppliers (101)

31-614-CAS-39216785

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

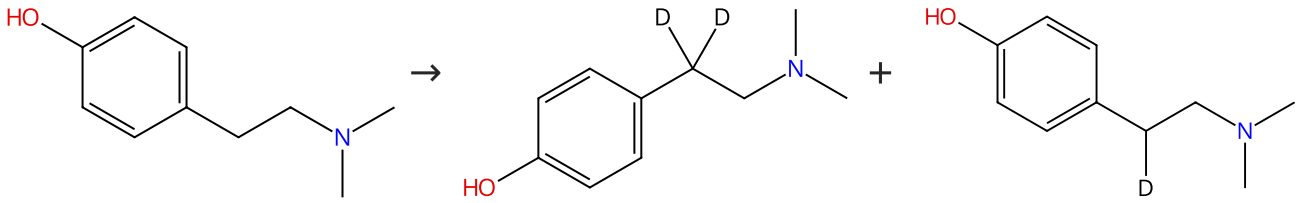
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 37 (1 Reaction)

Steps: **1**



Suppliers (78)

31-614-CAS-39216773

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

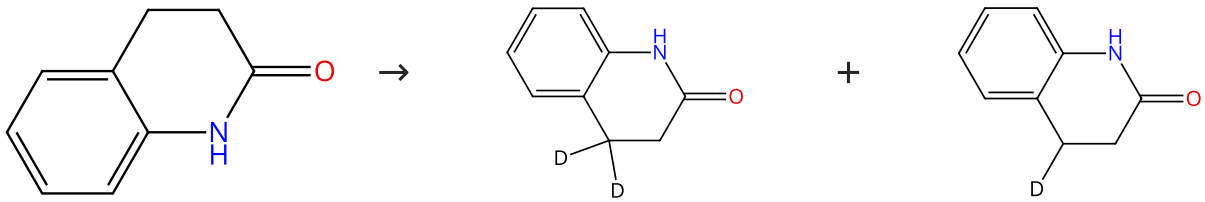
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 38 (1 Reaction)

Steps: **1**



Suppliers (94)

Supplier (1)

31-614-CAS-38893217

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

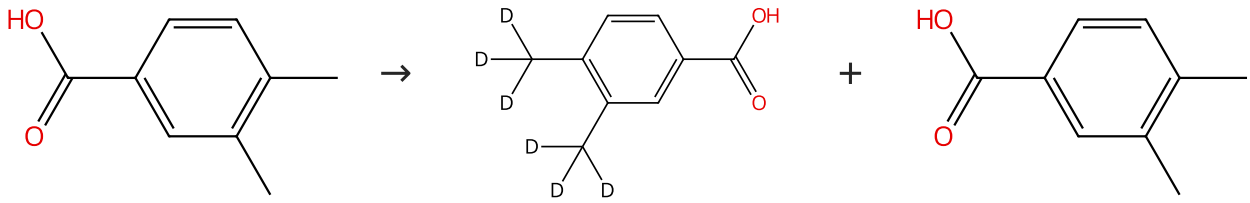
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 39 (1 Reaction)

Steps: **1**



Suppliers (101)

31-614-CAS-39216778

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

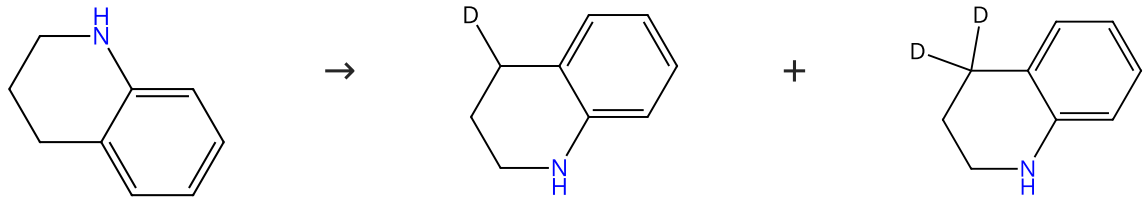
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 40 (1 Reaction)

Steps: **1**



Suppliers (98)

Supplier (1)

31-614-CAS-39216772

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Tetrahydrofuran; 20 h, 1.1 bar, 50 °C

Experimental Protocols

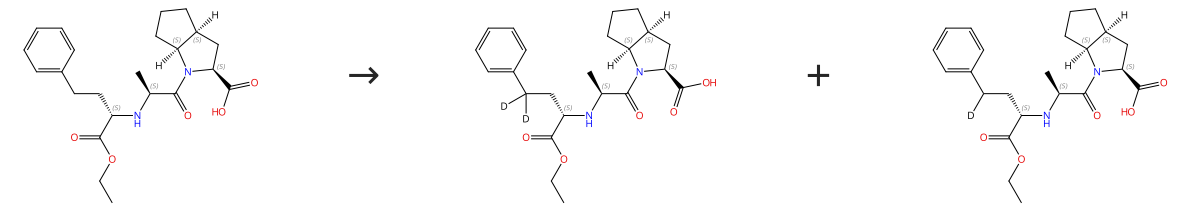
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 41 (1 Reaction)

Steps: **1**



Absolute stereochemistry shown

Absolute stereochemistry shown

Absolute stereochemistry shown

Suppliers (102)

31-614-CAS-39216783

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

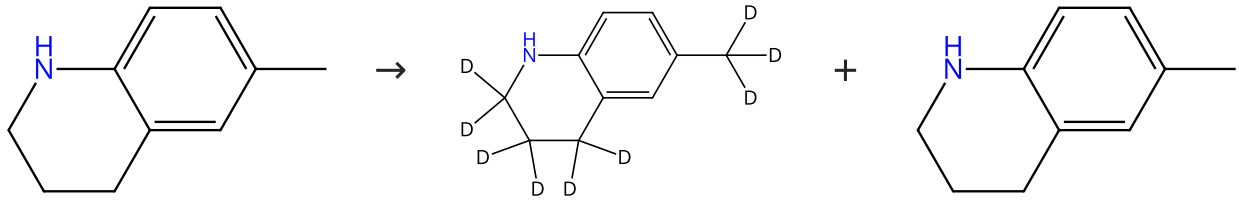
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 42 (1 Reaction)

Steps: **1**



Suppliers (80)

31-614-CAS-39216779

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

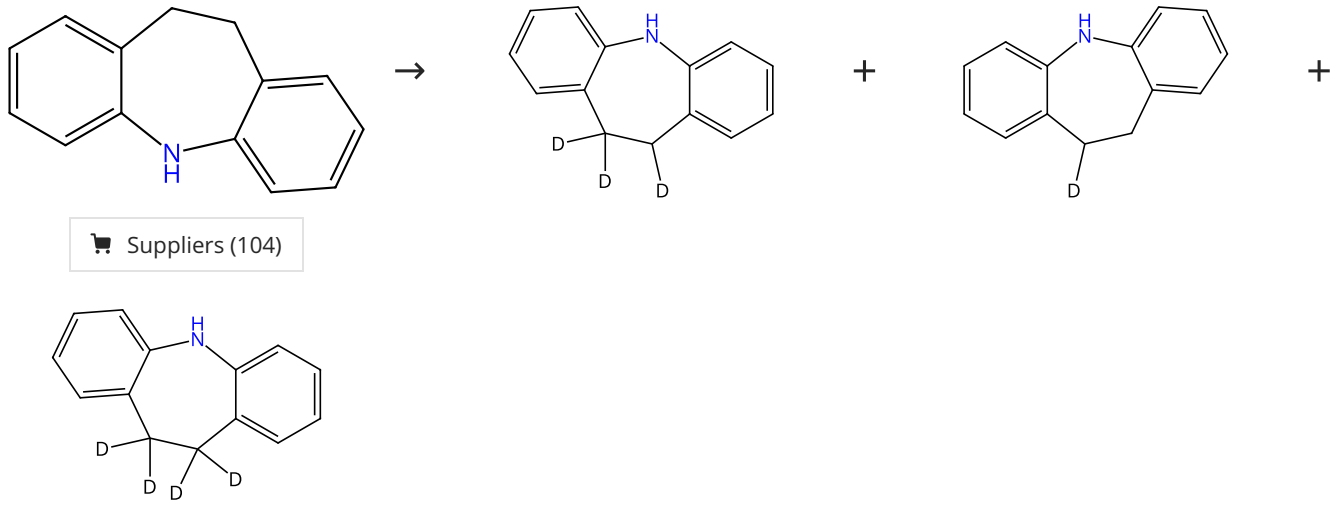
Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.

Scheme 43 (1 Reaction)

Steps: **1**



Suppliers (104)

31-614-CAS-39216768

Steps: **1**

1.1 **Reagents:** Deuterium
Catalysts: Palladium
Solvents: Dimethylacetamide; 20 h, 1.1 bar, 50 °C

Experimental Protocols

Palladium Nanoparticles for the Deuteration and Tritiation of Benzylic Positions on Complex Molecules

By: Pfeifer, Viktor; et al

Angewandte Chemie, International Edition (2021), 60(51), 26671-26676.