CAS SciFinder

Task History

Initiating Search

February 23, 2025, 9:08 PM

Substances:

Filtered By:

Structure Match: **As Drawn**

Search Tasks

Task	Search Type	View
Returned Substance Results + Filters (2,302)	Substances	View Results
Exported: Retrieved Related Reaction Results + Filters (11)	Reactions	View Results

Filtered By:

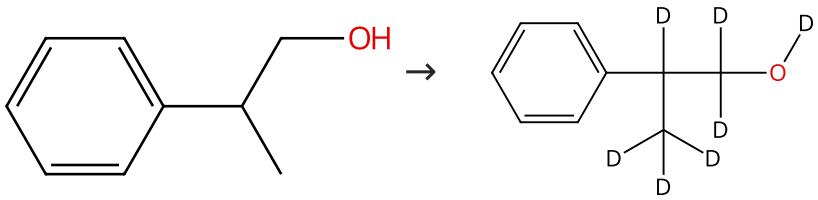
Substance Role:	**Reagent**
Catalyst:	**Manganese(1+), tricarbonyl[(1,2,3,4,5,6-η)-methoxybenzene]-, tetrafluoroborate(1-), Manganese(1+), tricarbonyl[*N*-[2-(diphenylphosphino-κ*P*)ethyl]-2-pyridinemethanamine-κN^1,κN^2]-, bromide (1:1), (*OC*-6-44)-, Manganese, [4,8-bis[bis(1-methylethyl)phosphino-κ*P*]-2,10-bis(1,1-dimethylethyl)-6*H*-dipyrido[1,2-*c*:2',1'-*e*]imidazol-6-ylidene-κ*C*]dicarbonylhydro-, (*OC*-6-42)-[2-[Bis(1-methylethyl)phosphino-κ*P*]-*N*-[2-[bis(1-methylethyl)phosphino-κ*P*]ethyl]ethanamine-κ*N*]bromodicarbonylmanganese, (*TB*-5-11)-[2-[Bis(1-methylethyl)phosphino-κ*P*]-*N*-[2-[bis(1-methylethyl)phosphino-κ*P*]ethyl]ethanaminato-κ*N*]dicarbonylmanganese**
Document Type:	**Journal**
Language:	**English**

CAS SciFinder

Reactions (3)

View in CAS SciFinder

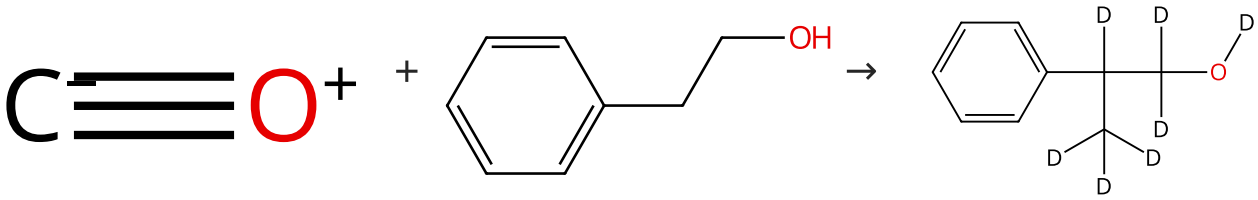
Scheme 1 (1 Reaction) Steps: **1**



Suppliers (76)

31-116-CAS-23235270	Steps: 1	Carbon monoxide and hydrogen (syngas) as a C1-building block for selective catalytic methylation
1.1 **Reagents:** Sodium *tert*-butoxide, Deuterium **Catalysts:** (*OC*-6-42)-[2-[Bis(1-methylethyl)phosphino-κ*P*]-*N*-[2-[bis(1-methylethyl)phosphino-κ*P*]ethyl]ethanamine-κ*N*]bromodicarbonylmanganese **Solvents:** Toluene; rt; 24 h, rt → 150 °C		By: Kaithal, Akash; et al Chemical Science (2021), 12(3), 976-982.
Experimental Protocols		

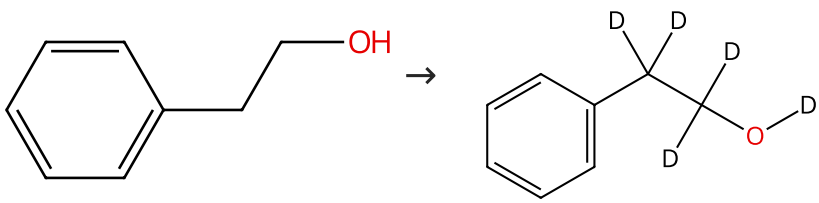
Scheme 2 (1 Reaction) Steps: **1**



Suppliers (17) Suppliers (119)

31-116-CAS-23235686	Steps: 1	Carbon monoxide and hydrogen (syngas) as a C1-building block for selective catalytic methylation
1.1 **Reagents:** Sodium *tert*-butoxide, Deuterium **Catalysts:** (*OC*-6-42)-[2-[Bis(1-methylethyl)phosphino-κ*P*]-*N*-[2-[bis(1-methylethyl)phosphino-κ*P*]ethyl]ethanamine-κ*N*]bromodicarbonylmanganese **Solvents:** Toluene; rt; 24 h, rt → 150 °C		By: Kaithal, Akash; et al Chemical Science (2021), 12(3), 976-982.
Experimental Protocols		

Scheme 3 (1 Reaction) Steps: **1**



Suppliers (119)

31-116-CAS-23234681	Steps: 1
1.1 **Reagents:** Sodium *tert*-butoxide, Deuterium **Catalysts:** (*OC*-6-42)-[2-[Bis(1-methylethyl)phosphino-κ*P*]-*N*-[2-[bis(1-methylethyl)phosphino-κ*P*]ethyl]ethanamine-κ*N*]bromodicarbonylmanganese **Solvents:** Toluene; rt; 24 h, 10 bar, rt → 150 °C	
Experimental Protocols	

Carbon monoxide and hydrogen (syngas) as a C1-building block for selective catalytic methylation

By: Kaithal, Akash; et al

Chemical Science (2021), 12(3), 976-982.