



Reaxys

MAJOR RESOURCE THAT CONTAINS SUBSTANCES, REACTIONS (ORGANIC AND INORGANIC), AND PROPERTIES. HAS THE LARGEST COLLECTION OF PROPERTIES DATA.

SEARCH OPTIONS INCLUDE SEARCHING BY NAME OR CAS REGISTRY NUMBER, STRUCTURES, REACTIONS, NUMERIC RANGES FOR PROPERTIES, PLUS MORE

ABOUT

[HTTPS://WWW.ELSEVIER.COM/EN-GB/SOLUTIONS/REAXYS](https://www.elsevier.com/en-gb/solutions/reaxys)



Search for "dms0"

In

Search Reaxys



"dms0"



Find >

Substance Properties, e.g. [ferroelectric materials](#)

AND



Draw

[Content Overview](#) | Latest update: 11. June 2023 >

267M

[Substances](#)

62M

[Reactions](#)

105M

[Documents](#)

38M

[Patents](#)






44M

[Bioactivities](#)

Reaxys Search for DMSO

Results for "dmsO"

[New](#) [Edit](#)

	9,408	Substances	Structure :  as drawn Edit in Query Builder Create Alert	Preview Results View Results >
	259,796	Documents	Titles, Abstracts, Keywords : "dmsO" Edit in Query Builder Create Alert	Preview Results View Results >
	77	Commercial Substances	Structure :  as drawn Edit in Query Builder Create Alert	Preview Results View Results >

Reaxys search results – View Substances

9,41 K

Preview

Search

Filters

Limit to > Exclude >

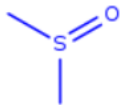
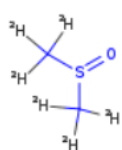
- By Structure >
- Measurement pX >
- Targets >
- Parameters >
- Substance Classes >
- Molecular Weight >
- Number of Fragments >
- Availability >
- Available Data >
- Document Type >
- Publication Year >

9,408 Substances out of 37,282 Documents, containing 22,536 Reactions, 283 Targets

0 selected Limit To Exclude Export Preparations

Sort by No of References ↓

Grid Bioactivity Visualization

1		<p>dimethyl sulfoxide</p> <p>(CH₃)₂S(O) 78.135 506008 67-68-5</p> <p>Identification Bioactivity (All) Spectra - 282</p> <p>Druglikeness Physical Data - 2,552 Other Data - 1,076</p>	<p>Preparations - 213 ></p> <p>Reactions - 15,818 ></p> <p>Targets - 248 ></p> <p>Documents - 30,258 ></p>
2		<p>dimethylsulfoxide-d6</p> <p>CD₃SOCD₃ 84.0874 1237248 2206-27-1</p> <p>Identification Physical Data - 188 Other Data - 1</p> <p>Druglikeness Spectra - 91</p>	<p>Preparations - 15 ></p> <p>Reactions - 879 ></p> <p>Documents - 2,077 ></p>

Reaxys – Search Results

15,82 K
9.41 K
Preview
Search

Filters

Limit to > Exclude >

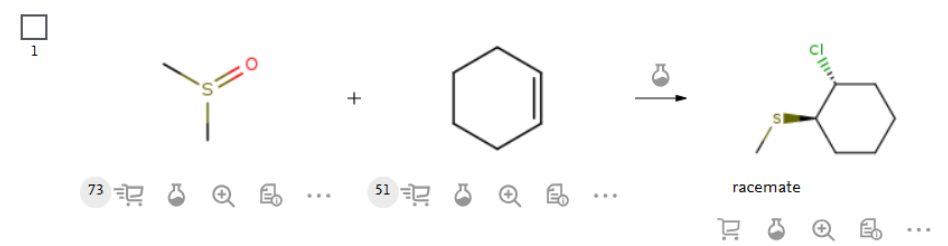
By Structure ▾
Yield ▾
Reagent/Catalyst ▾
Solvent ▾
Catalyst Classes ▾
Solvent Classes ▾
Product Availability ▾
Reactant Availability ▾
Reaction Classes ▾
Document Type ▾
Publication Year ▾

Single step reactions only
 Experimental procedure only

15,818 Reactions out of 6,623 Documents, containing 27,059 Substances, 3,941 Targets

0 selected Limit To Exclude Export Hide Conditions

Reaxys - 15,818
Sort by Reaxys Ranking ↓



73 51

5 Conditions Find Similar > Reaction ID: 2886126

Conditions	Yield	Reference
<p>Stage #1: dimethyl sulfoxide With oxalyl dichloride In dichloromethane at 0°C; for 0.166667h; Stage #2: cis-cyclohexene In dichloromethane at 20°C; for 1h;</p> <p>Experimental Procedure ▾</p>	89%	<p>Zhang, Ting; Dai, Yifeng; Cheng, Siwei; Liu, Yongguo; Yang, Shaoxiang; Sun, Baoguo; Tian, Hongyu [<i>Synthesis</i>, 2017, vol. 49, # 6, art. no. SS-2016-H0710-OP, p. 1380 - 1386]</p> <p>Full Text ↗ Cited 26 times ↗ Details > Abstract ></p>
<p>With HCl/DMPU reagent In ethyl acetate Heating; regioselective reaction;</p>	81%	<p>Ebule, Rene; Hammond, Gerald B.; Xu, Bo [<i>European Journal of Organic Chemistry</i>, 2018, vol. 2018, # 34, p. 4705 - 4708]</p> <p>Full Text ↗ Cited 8 times ↗ Details > Abstract ></p>
<p>With O-phenyl phosphorodichloridate 1.) CH₂Cl₂, -20 deg C, 5 min 2.) -20 deg C, 5 min, then to room t., 1 h; Yield given. Multistep reaction;</p>		<p>Liu, Hsing-Jang; Nyangulu, James M. [<i>Tetrahedron Letters</i>, 1988, vol. 29, # 43, p. 5467 - 5470]</p> <p>Full Text ↗ Cited 13 times ↗ Details > Abstract ></p>

Reaxys Search Results for DMSO – View Reactions

Description (Energy Data (MCS))	Temperature (Energy Data (MCS)), °C	Partner (Energy Data (MCS))	Reference
Heat capacity Cp	19.99 - 39.99	Oxane	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2007 , vol. 52, # 2, p. 639 - 644 Full Text ↗ Cited 33 times ↗ Details > Abstract >
Heat capacity Cp	19.99 - 39.99	2-methyltetrahydrofuran	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2007 , vol. 52, # 2, p. 639 - 644 Full Text ↗ Cited 33 times ↗ Details > Abstract >
Excess thermochemical parameter	35	carbonic acid dimethyl ester	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2006 , vol. 51, # 2, p. 665 - 670 Full Text ↗ Cited 41 times ↗ Details > Abstract >
Excess thermochemical parameter	35	Diethyl carbonate	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2006 , vol. 51, # 2, p. 665 - 670 Full Text ↗ Cited 41 times ↗ Details > Abstract >
Excess thermochemical parameter	35	1,2-propylene cyclic carbonate	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2006 , vol. 51, # 2, p. 665 - 670 Full Text ↗ Cited 41 times ↗ Details > Abstract >
Excess heat capacity Cp	35	carbonic acid dimethyl ester	Comelli, Fabio; Francesconi, Romolo; Bigi, Adriana; Rubini, Katia Journal of Chemical and Engineering Data, 2006 , vol. 51, # 2, p. 665 - 670 Full Text ↗ Cited 41 times ↗ Details > Abstract >

Reaxys – Search Results for DMSO – View Physical Data – Energy data



dimethyl sulfoxide

(CH₃)₂S(O) 78.135 506008 67-68-5

Identification

Bioactivity (All)

Spectra - 282

Druglikeness

Physical Data - 2,552

Other Data - 1,076

^ **Other Data - 1076**

- ✓ Exposure Assessment - 1
- ✓ Concentration in the Environment - 5
- ✓ Transport and Distribution - 2
- ✓ Bioaccumulation, Biomagnification and Biomonitoring - 1
- ✓ Biodegradation - 8
- ✓ Abiotic Degradation, Hydrolysis - 9
- ✓ Abiotic Degradation, Photolysis - 1
- ✓ Oxygen Demand - 1
- **Use - 1045**
- ✓ Isolated from Natural Source - 1
- ✓ Quantum Chemical Calculations - 2

^ **Use - 1045**

Laboratory Use and Handling	2...	Reference
		Current Patent Assignee: Eckel, Greg - US2022/1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/151922, 2022, A1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/151922, 2022, A1 Full Text > Details > Abstract >
		Current Patent Assignee: Eckel, Greg - US2022/151922, 2022, A1 Full Text > Details > Abstract >

Show/Hide columns ^

Show/Hide columns

- Laboratory Use and Handling
- Use Pattern
- Location
- Comment (Use)
- Reference


Reset to default > Apply >

Reaxys Search Results for DMSO – Other Data – Use – Laboratory Use and Handling

Reaxys Search Results for Sodium Azide – Other Data – Use – Laboratory Use and Handling

sodium azide
Na^[1+]*N₃^[1-] 65.0099 1209320 [Retrieve CAS RN](#)

Identification Bioactivity (All) Spectra - 102
Druglikeness Physical Data - 266 Other Data - 84



Other Data - 84

Use - 83

[Show/Hide columns](#) ▾

Laboratory Use and Handling	Location	Reference
Explosive		Guang, Fan; Yin-Li, Zhang; Min-Yan, Zheng; Jia-Juan, Sun [<i>Journal of Chemical Crystallography</i> , 2012, vol. 42, # 9, p. 923 - 927] Full Text ↗ Cited 3 times ↗ Details > Abstract >
		Noonan, Kevin J. T.; Hugar, Kristina M.; Kostalik, Henry A.; Lobkovsky, Emil B.; Abruna, Hector D.; Coates, Geoffrey W.[<i>Journal of the American Chemical Society</i> , 2012, vol. 134, # 44, p. 18161 - 18164,4] Full Text ↗ Details > Abstract >
		Chen, G-Yi; Frey, Lisa F.; Shultz, Scott; Wallace, Debra J.; Marcantonio, Karen; Payack, Joeseoph F.; Vazquez, Enrique; (...) Izzo, Brianne; Krska, Shane W. [<i>Organic Process Research and Development</i> , 2007, vol. 11, # 3, p. 616 - 623] Full Text ↗ Cited 80 times ↗ Details > Abstract >
		Noonan, Kevin J. T.; Hugar, Kristina M.; Kostalik, Henry A.; Lobkovsky, Emil B.; Abruña, Héctor D.; Coates, Geoffrey W.[<i>Journal of the American Chemical Society</i> , 2012, vol. 134, # 44, p. 18161 - 18164] Full Text ↗ Cited 409 times ↗ Details > Abstract >

