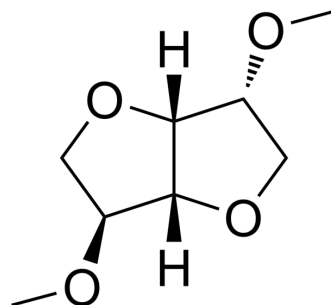


## Isosorbide dimethyl ether

Cat. No.:	HY-134524		
CAS No.:	5306-85-4		
Molecular Formula:	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>		
Molecular Weight:	174.19		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Isosorbide dimethyl ether is a biobased high boiling green solvent. Isosorbide dimethyl ether can be used for sustainable ultrafiltration and microfiltration membrane preparation. Isosorbide dimethyl ether can be used as an excipient, such as solvent, penetration aid. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs<sup>[1][2]</sup>.

### REFERENCES

- [1]. Russo F, et al. Dimethyl isosorbide as a green solvent for sustainable ultrafiltration and microfiltration membrane preparation[J]. ACS Sustainable Chemistry & Engineering, 2019, 8(1): 659-668.
- [2]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA