
LH-0733

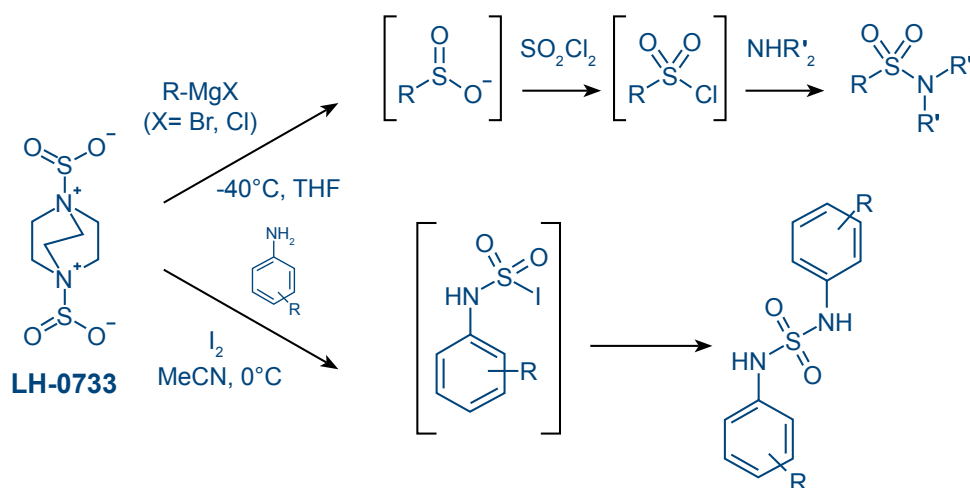
1,4-Diazabicyclo[2.2.2]octane-1,4-diium
-1,4-disulfinate (DABSO)
CAS Number 119752-83-9

1,4-Diazabicyclo[2.2.2]octane-1,4-diium-1,4-disulfinate (DABSO)
1,4-Diazabicyclo[2.2.2]octane bis(sulfur dioxide) adduct

Scale-up process yields DABSO in R&D quantities

The successful manufacture of DABSO by Key Organics' chemists in R&D quantities is a welcome introduction to our BIONET range. By supplying this easy to handle solid in milligram to kilogram quantities we offer the research chemist a safer alternative to the traditionally used gaseous and highly toxic sulfur dioxide.

DABSO has been demonstrated as a sulfur dioxide alternative^{1,2} in various applications (scheme 1), such as with Grignard reagents to form sulfinates, which can then be converted in situ to sulfonamides; and with anilines and iodine which lead to the formation of sulfonyleureas.



Scheme 1. Synthetic utility of DABSO

The process development undertaken at Key Organics to bring this compound to market in larger quantities, was based on work by M Willis¹ and co-workers (Department of Chemistry at the University of Oxford). Our skilled chemists are now able to routinely produce kilogram quantities in good yield and purity.

1: H. Woolven, C. Gonz ales-Rodr guez, I. Marco, A. L. Thompson, M. C. Willis, *Org. Lett.*, 2011, 13, 4876-4878.
2: B. Nuygen, E. J. Emmett, M. C. Willis *J. Am. Chem. Soc.* 2010, 132, 16372-16373.

Key Benefits:

- Safer
- Affordable
- In stock
- Purity >97%
- Easy to handle
- Crystalline solid

1,4-diazabicyclo[2.2.2]octane-1,4-diium-1,4-disulfinate
 In stock. Usually dispatched within 1 working day.
 ID: LH-0733 CAS: 119752-83-9

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