

Focus on Dibromodifluoromethane (DBDFM)

IUPAC Name: Dibromodifluoromethane

Alternate Names: DBDFM, difluorodibromomethane, Halon 1202, Fluorocarbon 12-B2, FC 12-B2, R 12B2, UN 1941, Freon 12B2

Catalog #: VCDBDFM

CAS #: 75-61-6

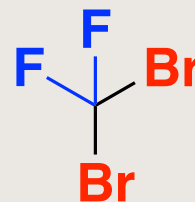
Molecular Weight: 209.82 g/mol

Density: 2.29 g/mL

Boiling Point: 23°C

¹⁹F NMR Spectra (CDCl₃): 7.00 ppm

Dedicated DBDFM Page: <http://www.valliscor.com/dibromodifluoromethane/>



DBDFM

Commercial Scale Manufacturing: Using proprietary technology, Valliscor manufactures kilogram to commercial scale (>100 kg) of high purity dibromodifluoromethane (**DBDFM**) for the agrochemical, fine chemical, electronics and pharmaceutical industries in its Corvallis, Oregon (USA) production facility.

DBDFM Uses: **DBDFM** is useful tool for a wide variety of functionalizations. For example, **DBDFM** has been employed in the difluoromethylenation of aldehydes which have been incorporated in carbohydrate synthesis to introduce a -CF₂- linker and nucleosides to introduce a -CF₂H group. **DBDFM** has been reported in numerous patents as a potential component for use in LCD and OLED displays. **DBDFM** performs as an excellent electrophile in a range of S_N²-type transformations and cyclopropanations.

Additional Custom Fluoroalkylation Reagents: Valliscor offers a platform of custom reagents for addressing our customers' C₁-C₃ fluoroalkylation needs including commercial scale quantities (>100 kg) of bromofluoromethane (**BFM**, CAS # 373-52-4) and dibromofluoromethane (**DBFM**, CAS # 1868-53-7). For medicinal chemists, we offer lab scale quantities of fluoroiodomethane (**FIM**, CAS # 373-53-5) and difluoroiodomethane (**DFIM**, CAS # 1493-03-4). We are well-versed in addressing the regulatory hurdles regarding ozone-depleting substances (including with the US EPA & the EU Climate Action), the Montreal Protocol and shipping around the globe.

Contact Info: Visit www.valliscor.com for an extensive listing of all available fluoroalkylation products and services.

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