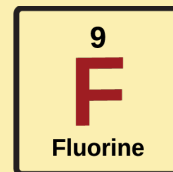


Valliscor



Focus on Bromofluoromethane (BFM)

IUPAC Name (Purity): Bromofluoromethane (>99.9%)

BFM Manufacturing Site: Corvallis, Oregon (USA)

Alternate Names: BFM, bromofluoromethylene, CFC 31B1, R 31B1

Catalog #: VCBFM

CAS #: 373-52-4

Molecular Weight: 112.916 g/mol

Density: 1.76 g/mL

Boiling Point: 19°C

¹H NMR Spectra (CDCl₃): 6.1 (d, J(F-H) = 48 Hz, 2H) ppm

Dedicated BFM Webpage: <http://www.valliscor.com/bromofluoromethane/>



BFM

Commercial Scale Manufacturing:

Valliscor is one of the world's leading manufacturers of bromofluoromethane (**BFM**) - providing the highest quality BFM on the market at kilogram to metric ton quantities for the pharmaceutical industry with competitive pricing.

BFM Uses: **BFM's** primary industrial use is in a late-stage fluoromethylation of a thioacid to yield fluticasone propionate (API found in Flonase® and Advair®) or fluticasone furoate (Breo®) (Figure 1). In addition, **BFM** has also proven useful for accessing PET imaging molecules as well as in the fluoromethylation of enolates, phenols and oximes. Check out our dedicated **BFM webpage** for more information.

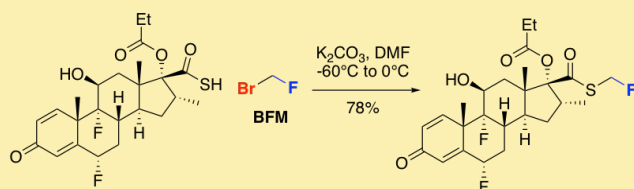


Figure 1. Synthesis of Fluticasone Propionate by Glaxo (*J. Med. Chem.* **1994**, *37*, 3717-3729).

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 dibromodifluoromethane (**DBDFM**, CAS # 75-61-6) and dibromofluoromethane (**DBFM**, CAS # 1868-53-7). For medicinal chemists, we offer lab scale quantities (up to multi kgs) 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.

Telephone: +1 541-286-5082

Email: info@valliscor.com

