



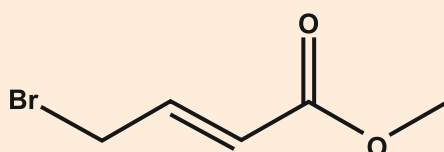
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METHYL 4-BROMOCROTONATE

1. STRUCTURE



2. PRODUCT NAME & DETAILS

Methyl 4-bromocrotonate

Product Code	: 005409
CAS No.	: 1117-71-1
HS Code	: 2916.39.90
Molecular formula	: C ₅ H ₇ BrO ₂
Molecular weight	: 179.02

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
Methyl 4-bromocrotonate	Methyl 4-bromocrotonate	1117-71-1	214-251-0
European Inventory of Existing Commercial Chemical Substances (EINECS)		Listed	
EC Inventory		Listed	
United States Toxic Substances Control Act (TSCA) Inventory		Listed	
China Catalog of Hazardous chemicals 2015		Not Listed	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)		Listed	
Korea Existing Chemicals List (KECL)		Not Listed	
Canadian Domestic Substance List (DSL)		Not Listed	
Canadian Non-Domestic Substance List (NDSL)		Listed	
Japanese Existing and New Chemical Substances Inventory (ENCS)		Not Listed	

4. SPECIFICATION

Physical Appearance	: Pale Yellow To Orange Liquid
Miscibility	: Miscible With Methanol
Moisture Content (KF)	: NMT 0.50%
Purity (GC)	: NLT 85.0%
CIS Isomer (GC)	: NMT 2.00%

Disclaimer

Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
Above information is given in good faith and without warranty.



METHYL 4-BROMOCROTONATE

5. APPLICATION

: It is a useful synthetic intermediate.

It was used in the synthesis of irreversible inhibitors of EGFR and HER-2 tyrosine kinases with enhanced antitumor activities.

An antitumor drug Dacomitinib was synthesized using Methyl-4-bromocrotonate. It is a inhibitor of EGFR (epidermal growth factor receptor).

6. HAZARD CLASSIFICATION

: Hazardous substance. (UN No. 1760)



Irritant



Corrosive

7. ANNUAL CAPACITY

: 6 MT.

8. STORAGE CONDITION

: Store in closed container at 25-30°C. Avoid direct sun light.

9. PACKING DETAILS

: 50kg GI Drum with Screw Lid.

10. SHELF LIFE

: 4 months.

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