# Certificate of Analysis



## Ingenol Mebutate

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|---|---|
| **Cat. No.:** | HY-B0719 |
| **CAS No.:** | 75567-37-2 |
| **Batch No.:** | 415938 |
| **Chemical Name:** | 2-Butenoic acid, 2-methyl-, (1aR,2S,5R,5aS,6S,8aS,9R,10aR)-1a,2,5,5a,6,9,10,10a-octahydro-5,5a-dihydroxy-4-(hydroxymethyl)-1,1,7,9-tetramethyl-11-oxo-1H-2,8a-methanocyclopenta[a]cyclopropa[e]cyclodecen-6-yl ester, (2Z)- |

### PHYSICAL AND CHEMICAL PROPERTIES

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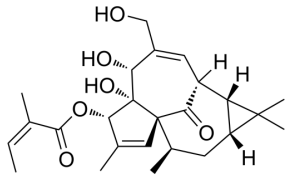
|---|---|---|---|
| **Molecular Formula:** | $C_{25}H_{34}O_6$ | | |
| **Molecular Weight:** | **430.53** | | |
| **Storage:** | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |

**Chemical Structure:**




### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | White to off-white (Solid) |
| **$^1$H NMR Spectrum:** | Consistent with structure |
| **LCMS:** | Consistent with structure |
| **Purity (LCMS):** | **99.65%** |
| **Conclusion:** | The product has been tested and complies with the given specifications. |

**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