



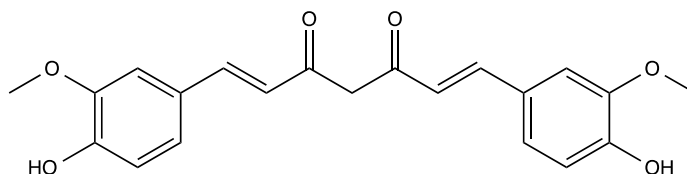
Catalog # 10-2475

Curcumin

CAS# 458-37-7

(E,E)-1,7-bis(4-Hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione; Diferuloylmethane

Lot # X101089



Displays anti-inflammatory activity in mouse models.¹ Inhibits lung cancer growth via regulation of angiogenesis mediated by VEGF.²

- 1) Zhang *et al.* (2015), *Anti-inflammatory effect of curcumin on mast cell-mediated allergic responses in ovalbumin-induced allergic rhinitis mouse*; Cell Immunol. **298** 88
- 2) Li *et al.* (2018), *Anticancer effects of curcumin on nude mice bearing lung cancer A549 cell subsets SP and NSP cells*; Oncol.Lett. **16** 6756

PHYSICAL DATA

Molecular Weight:	368.38
Molecular Formula:	C ₂₁ H ₂₀ O ₆
Purity:	>90% by TLC NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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