

demethoxycurcumin synthase

Cat. No. EXWM-2165

Lot. No. (See product label)

Introduction

Description A polyketide synthase from the plant *Curcuma longa* (turmeric). Three isoforms exist, CURS1, CURS2 and CURS3. While CURS1 and CURS2 prefer feruloyl-CoA as a starter substrate (cf. EC 2.3.1.217, curcumin synthase), CURS3 can accept 4-coumaroyl-CoA equally well.

Synonyms CURS3

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.3.1.219

Reaction (1) 4-coumaroyl-CoA + feruloylacetyl-CoA + H₂O = 2 CoA + demethoxycurcumin + CO₂; (2) 4-coumaroyl-CoA + (4-coumaroyl)acetyl-CoA + H₂O = 2 CoA + bisdemethoxycurcumin + CO₂

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.