

## 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 + H<sub>2</sub>O = 2 CoA + demethoxycurcumin + CO<sub>2</sub>; (2) 4-coumaroyl-CoA + (4-coumaroyl)acetyl-CoA + H<sub>2</sub>O = 2 CoA + bisdemethoxycurcumin + CO<sub>2</sub>

#### 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.