Creative Enzymes®

curcumin synthase

Cat. No. EXWM-2163

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, CURS3 can accept 4-coumaroyl-CoA equally well (see EC 2.3.1.219, demethoxycurcumin synthase).
Synonyms	CURS; CURS1 (gene name); CURS2 (gene name); CURS3 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.217
Reaction	feruloyl-CoA + feruloylacetyl-CoA + H2O = 2 CoA + curcumin + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.