

8-hydroxyfuranocoumarin 8-O-methyltransferase

Cat. No. EXWM-1972

Lot. No. (See product label)

Introduction

Description Converts xanthotoxol into xanthotoxin, which has therapeutic potential in the treatment of psoriasis as it has photosensitizing and antiproliferative activities. Methylates the 8-hydroxy group of some hydroxy- and methylcoumarins, but has little activity on non-coumarin phenols (see also EC 2.1.1.69, 5-hydroxyfuranocoumarin 5-O-methyltransferase).

Synonyms furanocoumarin 8-methyltransferase; furanocoumarin 8-O-methyl-transferase; xanthotoxol 8-O-methyltransferase; XMT; 8-hydroxyfuranocoumarin 8-O-methyltransferase; SAM:xanthotoxol O-methyltransferase; S-adenosyl-L-methionine:8-hydroxyfuranocoumarin 8-O-methyltransferase; xanthotoxol methyltransferase; xanthotoxol O-methyltransferase; S-adenosyl-L-methionine:xanthotoxol O-methyltransferase; S-adenosyl-L-methionine-xanthotoxol O-methyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.1.1.70

CAS No. 67339-13-3

Reaction (1) S-adenosyl-L-methionine + an 8-hydroxyfurocoumarin = S-adenosyl-L-homocysteine + an 8-methoxyfurocoumarin (general reaction); (2) S-adenosyl-L-methionine + xanthotoxol = S-adenosyl-L-homocysteine + xanthotoxin

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.