

Resorufin ethyl ether

Cat. No. DYE-161 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description 7-Ethoxyresorufin (7-ER) is a fluorometric substrate for and competitive inhibitor of cytochrome P450 1A1 (Km ranges from 0.11-0.23 μ M; IC50 = 0.1 μ M). It has been used to study the metabolism of arachidonic acid (Item No. 90010) and the mechanisms of vasodilation. 7-ER also has been shown to inhibit nitric oxide synthesis by uncoupling neuronal nitric oxide synthase (K_i = 0.76 μ M).

CAS number 5725-91-7

Molecular Mass 241.25

Formula C₁₄H₁₁NO₃

Ex(nm) 571

Em(nm) 585

Solvent DMSO

Storage Store at -20°C in the dark. Dessicated.

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