

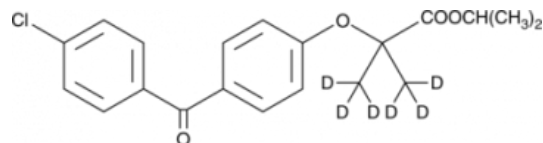


Fenofibrate-d₆

Cat No: 25710 - 500 µg

General Data

Shipping:	dry ice
Formulation:	A solid
Purity:	≥99% deuterated forms (d1-d6)



Product Overview

Fenofibrate-d₆ is intended for use as an internal standard for the quantification of fenofibrate (Item No. 10005368) by GC- or LC-MS. Fenofibrate is an agonist of peroxisome proliferator-activated receptor α (PPAR α) with EC₅₀ values of 18 and 30 μ M for mouse and human receptors, respectively, in a transactivation assay.^{10670} It is selective for PPAR α over PPAR γ (EC₅₀s = 300 and 200 μ M for mouse and human receptors, respectively) and lacks activity at mouse and human PPAR δ at a concentration of 100 μ M. In vivo, fenofibrate (50-100 mg/kg) reduces plasma levels of triglycerides, C-reactive protein, and malondialdehyde (MDA) in mice with fructose-induced hypertriglycemia in a dose-dependent manner.^{43262} It decreases glomerular and tubular atrophy and necrosis induced by cisplatin (Item No. 13119) in rat kidney when administered at a dose of 100 mg/kg.^{43263} Fenofibrate also reduces the number of pulmonary lesions induced by 4-nitroquinoline 1-oxide (4-NQO) in lung of Tsumura Suzuki obese diabetic (TSOD) mice.^{43264}

FP/22/24

For research laboratory use only – Not for human diagnostic use.

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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