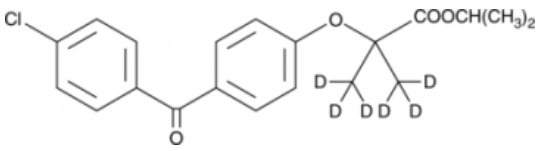
Product Information

Fenofibrate-d_6

Cat No: 25710 - 500 Âµg



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 (PPARα) with EC50 values of 18 and 30 µM for mouse and human receptors, respectively, in a transactivation assay.{10670} It is selective for PPARα over PPARγ (EC50s = 300 and 200 µM for mouse and human receptors, respectively) and lacks activity at mouse and human PPARδ at a concentration of 100 µM. 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}

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