



Catalog # 10-1436

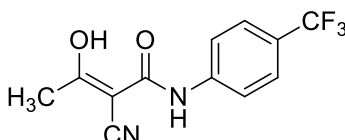
A77 1726

CAS# 108605-62-5

Teriflunomide

2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]-2-butenamide

Lot # L101138



A pyrimidine biosynthesis inhibitor and immunomodulator.¹ Inhibits the mitochondrial dihydroorotate dehydrogenase (DHODH)². Leflunomide is rapidly metabolized in human hepatocytes to A77 1726.³ Cell permeable.

- 1) Manna *et al.* (1999), *Immunosuppressive leflunomide metabolite (A77 1726) blocks TNF-dependent nuclear factor-kappa B activation and gene expression*; J. Immunol., **162** 2095
- 2) Davis *et al.* (1996), *The immunosuppressive metabolite of leflunomide is a potent inhibitor of human dihydroorotate dehydrogenase*; Biochemistry, **35** 1270
- 3) Seah *et al.* (2008), *Oxidative bioactivation and toxicity of leflunomide in immortalized human hepatocytes and kinetics of the non-enzymatic conversion to its major metabolite, A77 1726*; Drug Metab. Lett., **2** 153

PHYSICAL DATA

Molecular Weight: 270.21
Molecular Formula: C₁₂H₉F₃N₂O₂
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 30 mg/ml) or Ethanol (up to 5 mg/ml with warming)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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