

Leflunomide, DHODH inhibitor; immunosuppressant

Catalog	Unit
TBI2369-50MG	50 mg
TBI2369-250MG	250 mg

Product Details

Formal Name: 5-Methyl-N-[4-(trifluoromethyl)phenyl]-4-isoxazolecarboxamide

Alternate Names: RS-34821

Molecular Formula: C₁₂H₉F₃N₂O₂

Formula Weight: 270.21

CAS Number: 75706-12-6

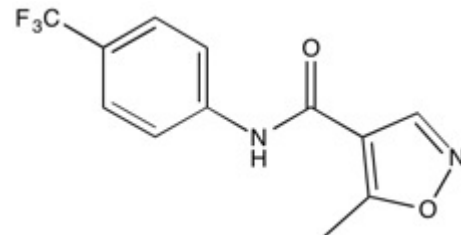
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

DHODH inhibitor; immunosuppressant

Functions

A pyrimidine biosynthesis inhibitor DMARD (disease-modifying antirheumatic drug). Displays immunomodulatory activity inhibiting the mitochondrial enzyme dihydroorotate dehydrogenase (DHODH). Although the molecule directly responsible for DHODH is actually A77 1726, a metabolite of Leflunomide.

Rescues mice from acetaminophen-induced liver injury.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.