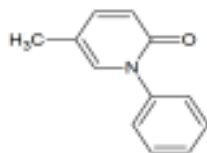


Pirfenidone

ALTERNATE NAME: AMR 69
5-methyl-1-phenyl-2(1H)-pyridinone

CATALOG #: B2660-10 10 mg
B2660-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₁₁NO

MOLECULAR WEIGHT: 185.23

CAS NUMBER: 53179-13-8

APPEARANCE: Off-white solid

PURITY: ≥98%

SOLUBILITY: >15 mg/ml DMSO

DESCRIPTION: Pirfenidone is a small molecule antifibrotic agent. Pirfenidone (300 mg/kg per day) inhibits fibrosis and inhibits increases in collagen content, fibrocyte pool size, and the levels of chemokines CCL2 and CCL12 in lung in a mouse model of pulmonary fibrosis induced by bleomycin. In a mouse model of non-alcoholic steatohepatitis (NASH), pirfenidone inhibits fibrosis and increases in hepatocyte apoptosis, lobular inflammation, and hepatic expression of the fibrosis-related genes Col1a1, Timp1, Tgfb1, Pdgfb, and Fgf2 when administered at a dose of 280 mg/kg but has no effect on steatosis. Pirfenidone also displays anti-inflammatory and antioxidant properties.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

GKT-137831 (9444)
Ivacaftor (9582)
PTC-124 (9421)
CFTR Inhibitor, GlyH-101 (2863)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*