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## Pirfenidone

产品编号: D51435

CAS: 53179-13-8

分子式: C<sub>12</sub>H<sub>11</sub>NO

纯度: ≥98%

InChi: InChI=1S/C<sub>12</sub>H<sub>11</sub>NO/c1-10-7-8-12(14)13(9-10)11-5-3-2-4-6-11/h2-9H,1H3

InChi Key: ISWRGOKTTBVCFA-UHFFFAOYSA-N

Smiles: CC1=CN(C(=O)C=C1)C1C=CC=CC=1

外观: 固体粉末

作用通路: CCR

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Pirfenidone is an anti-fibrotic drug for the treatment of idiopathic pulmonary fibrosis (IPF). It works by reducing lung fibrosis through downregulation of the production of growth factors and procollagens I and II. Pirfenidone has well-established antifibrotic and anti-inflammatory properties in various in vitro systems and animal models of fibrosis. A number of cell-based studies have shown that pirfenidone reduces fibroblast proliferation, inhibits TGF-β stimulated collagen production and reduces the production of fibrogenic mediators such as TGF-β.