

---

## ML-329

产品编号: D51175

CAS: 19992-50-8

分子式: C<sub>16</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S

纯度: ≥98%

InChi: InChi=1S/C<sub>16</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S/c17-23(21,22)11-7-5-10(6-8-11)18-14-9-15(19)12-3-1-2-4-13(12)16(14)20/h1-9,18H,(H2,17,21,22)

InChi Key: CSYFFQVEQXEIAB-UHFFFAOYSA-N

Smiles: NS(=O)(=O)C1C=CC(=CC=1)NC1=CC(=O)C2=CC=CC=C2C1=O

外观: 固体粉末

作用通路: Others

溶解性: DMSO : 5 mg/mL (15.23 mM; Need ultrasonic) DMF : 5 mg/mL (15.23 mM; Need ultrasonic)

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

产品介绍: ML-329 is an inhibitor of the microphthalmia-associated transcription factor (MITF) pathway with an IC<sub>50</sub> value of 1.2 μM for promoter activity of the MITF target gene TRPM-1. ML-329 showed specific activity against the MITF-dependent cells, primary melanocytes but no effect on the viability in A375 cells. ML-329 reduced the expression of multiple MITF target genes, including pigment-related genes and the cell cycle regulator CDK2. As a tool compound, ML-329 will be useful in elucidating the role of MITF in melanocyte lineage development and in melanoma disease progression.