

Product Name : NSC 658497

Synonyms : NSC658497

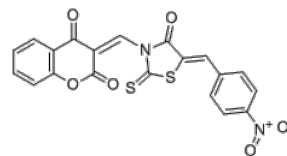
Cat No. : M16534

CAS Number : 909197-38-2

Molecular Formula : C₂₀H₁₀N₂O₆S₂

Formula Weight : 438.43

Chemical Name : (Z)-3-(((Z)-5-(4-nitrobenzylidene)-4-oxo-2-thioxothiazolidin-3-yl)methylene)chroman-2,4-dione



Description : NSC 658497 is a small molecule inhibitor of Ras GEF, SOS1, binds to SOS1 with K_d of 7 uM but no H-Ras, competitively suppresses SOS1-Ras interaction, and dose-dependently inhibits SOS1 GEF activity; shows dose-dependent efficacy in inhibiting Ras, downstream signaling activities, and associated cell proliferation.

Pathway : MAPK/ERK Signaling

Target : Ras

Receptor : Ras

Solubility : —

SMILES : O=C1C(C(=C(O1)C=CC=C2)=O)=C\N(C(=O)C(SC3=C/C4=CC=C([N+](O-)=O)C=C4)=S

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Evelyn CR, et al. Chem Biol. 2014 Dec 18;21(12):1618-28.