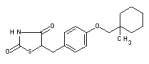

Formula: C18H23NO3S

MW: 333.45

CAS: 74772-77-3

MDL NUMBER: MFCD00865499

IUPAC: 5-({4-[(methylcyclohexyl)methoxy]phenyl}methyl)-1,3-thiazolidine-2,4-dione

Smiles: CC1(COc2ccc(CC3SC(NC3=O)=O)cc2)CCCCC1

ACCEPTORS: 3

DONORS: 1

ROTATION BONDS: 3

N+O: 4

Chiral Centers: 1

LogP: 4.22

LogS: -4.71

LIPINSKI: 4

Synonyms:
5-((4-((1-methylcyclohexyl)methoxy)phenyl)methyl)-4-thiazolidinedione;U-63287;(+/-)-5-[4-(1-METHYLCYCLOHEXYLMETHOXY)BENZYL]-THIAZOLIDINE-2,4-DIONE;5-[[4-[(1-METHYLCYCLOHEXYL)METHOXY]PHENYL]METHYL]-2,4-THIAZOLIDINEDIONE;ADD 3878;CIGLITAZONE;CIGLITIZONE;CIGLITLZONE

CAS:74772-77-3

MF:C18H23NO3S

MW:333.45

EINECS:

Product Categories:Active Pharmaceutical Ingredients;Metal Isotopes;Sulfur & Selenium Compounds;API's;Intracellular receptor CIGLITAZONE

Chemical Properties: mp 130-131C storage temp. Store at RT

Safety Information: WGK Germany 3 RTECS XJ5813700 CIGLITAZONE

Usage And Synthesis:

Chemical Properties: White Cyrstalline Solid UsageDisplays antihyperglycemic activity in genetically obese mice. It is a selective PPARg agonist Biological ActivitySelective agonist at PPAR ? (peroxisome proliferator-activated receptor ? ). Activates PPAR ? with an EC 50 value of 3 u M in vitro , and is at least 33-fold selective over PPAR a and d . Antihyperglycemic in vivo . CIGLITAZONE