CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

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Product Information

LXR inhibitor, AZ876, Purity ≥98%

Cat. No.: X24-09-YM256

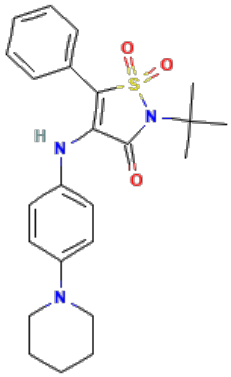
Size: 1 mg; 5 mg; 10 mg; 50 mg

MDL: MFCD30377191

CAS Number: 898800-26-5

Compound CID: 11655079

Synonym: 898800-26-5; AZ 876; AZ-876; 2-*Tert*-butyl-1,1-dioxo-5-phenyl-4-(4-piperidin-1-ylanilino)-1,2-thiazol-3-one; LXR inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	AZ876, soluble in DMSO, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting LXR. The molecular weight of the compound is 439.57, and its molecular formula is $C_{24}H_{29}N_3O_3S$.
Molecular Weight	439.57
Molecular Formula	$C_{24}H_{29}N_3O_3S$
IUPAC Name	2-*Tert*-butyl-1,1-dioxo-5-phenyl-4-(4-piperidin-1-ylanilino)-1,2-thiazol-3-one
InChI	InChI=1S/C24H29N3O3S/c1-24(2,3)27-23(28)21(22(31(27,29)30)18-10-6-4-7-11-18)25-19-12-14-20(15-13-19)26-16-8-5-9-17-26/h4,6-7,10-15,25H,5,8-9,16-17H2,1-3H3
InChI Key	IVANYIPLGFVBGR-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)N1C(=O)C(=C(S1(=O)=O)C2=CC=CC=C2)NC3=CC=C(C=C3)N4CCCCC4
Isomeric SMILES	C[C@H](CCOC1=CC=CC(=C1)CC(=O)O)N(CC2=C(C(=CC=C2)C(F)(F)F)Cl)CC(C3=CC=CC=C3)C4=CC=CC=C4
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	*In vitro*: DMSO: 87 mg/mL (197.92 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade

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Applications	AZ876 can be used for its potential to influence neuronal activity.
Storage	Store at -20ºC, and keep desiccated.