

## Product Information

### Aldose reductase inhibitor Tolrestat, Purity $\geq 98\%$

**Cat. No.:** X24-07-ZQ745

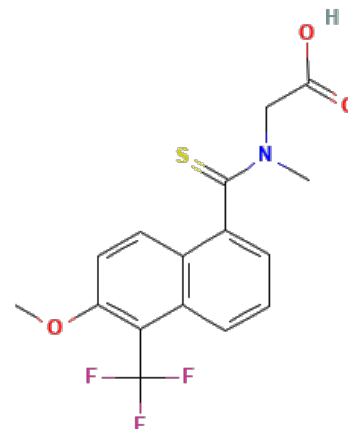
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 82964-04-3

**Compound CID:** 53359

**Synonym:** 82964-04-3; Aldose reductase inhibitor; AY-27773; AY 27773; AY27773

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



#### Product Information

<b>Description</b>	Tolrestat inhibits the enzyme aldose reductase, which plays a role in glucose metabolism.
<b>Molecular Weight</b>	357.35
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>14</sub> F <sub>3</sub> NO <sub>3</sub> S
<b>IUPAC Name</b>	2-[[6-Methoxy-5-(trifluoromethyl)naphthalene-1-carbothioyl]-methylamino]acetic acid
<b>InChI</b>	InChI=1S/C16H14F3NO3S/c1-20(8-13(21)22)15(24)11-5-3-4-10-9(11)6-7-12(23-2)14(10)16(17,18)19/h3-7H,8H2,1-2H3,(H,21,22)
<b>InChI Key</b>	LUBHDINQXIHVLS-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CN(CC(=O)O)C(=S)C1=CC=CC2=C1C=CC(=C2C(F)(F)F)OC
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Tolrestat is an aldose reductase inhibitor used in research to investigate its therapeutic potential in diabetic complications by inhibiting the enzyme aldose reductase.
<b>Storage</b>	Store at -20°C, and keep desiccated.