



Product Information

Gutathione S-transferase inhibitor TLK117, Purity ≥98%

Cat. No.: X24-06-ZQ828

Size: 5 mg; 10 mg; 50 mg; 100 mg

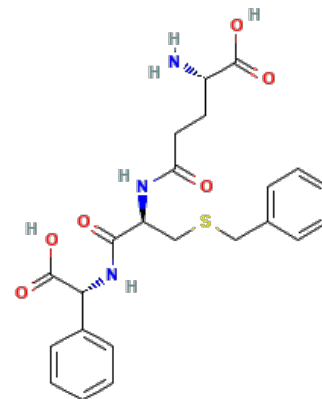
CAS Number: 152684-53-2

Compound CID: 444051

Synonym: 152684-53-2; Gutathione S-transferase inhibitor; TLK-117; TLK 117;

TER117; TER-117; TER 117

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



Product Information

Description	TLK117 targets and inhibits the function of GST enzymes, which play a crucial role in detoxifying harmful substances and are often implicated in drug resistance within cancer therapies.
Molecular Weight	473.54
Molecular Formula	C ₂₃ H ₂₇ N ₃ O ₆ S
IUPAC Name	(2S)-2-amino-5-[[[(2R)-3-benzylsulfanyl-1-[(R)-carboxy(phenyl)methyl]amino]-1-oxopropan-2-yl]amino]-5-oxopentanoic acid
InChI	InChI=1S/C23H27N3O6S/c24-17(22(29)30)11-12-19(27)25-18(14-33-13-15-7-3-1-4-8-15)21(28)26-20(23(31)32)16-9-5-2-6-10-16/h1-10,17-18,20H,11-14,24H2,(H,25,27)(H,26,28)(H,29,30)(H,31,32)/t17-,18-,20+/m0/s1
InChI Key	ZPSKWMFLCHMEOY-CMKODMSKSA-N
Canonical SMILES	C1=CC=C(C=C1)CSCC(C(=O)NC(C2=CC=CC=C2)C(=O)O)NC(=O)CCC(C(=O)O)N
Isomeric SMILES	C1=CC=C(C=C1)CSC[C@@H](C(=O)N[C@H](C2=CC=CC=C2)C(=O)O)NC(=O)CC[C@@H](C(=O)O)N
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	TLK117 is used to explore and inhibit Gutathione S-transferase, a key enzyme involved in detoxification processes.



Storage

Store at -20°C, and keep desiccated.
