



## Product Information

### Gutathione S-transferase inhibitor TK05, Purity $\geq 98\%$

**Cat. No.:** X24-06-ZQ827

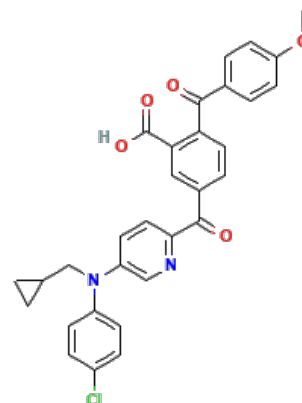
**Size:** 5 mg; 10 mg; 50 mg

**CAS Number:** 1245734-61-5

**Compound CID:** 53385780

**Synonym:** 1245734-61-5; Gutathione S-transferase inhibitor; TK 05; TK-05

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



#### Product Information

<b>Description</b>	TK05 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.
<b>Molecular Weight</b>	540.99
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>5</sub>
<b>IUPAC Name</b>	5-[5-[4-Chloro-N-(cyclopropylmethyl)anilino]pyridine-2-carbonyl]-2-(4-methoxybenzoyl)benzoic acid
<b>InChI</b>	InChI=1S/C31H25ClN2O5/c1-39-25-12-4-20(5-13-25)29(35)26-14-6-21(16-27(26)31(37)38)30(36)28-15-11-24(17-33-28)34(18-19-2-3-19)23-9-7-22(32)8-10-23/h4-17,19H,2-3,18H2,1H3,(H,37,38)
<b>InChI Key</b>	GRDDFJXOEAJYCT-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>COC1=CC=C(C(=C1)C(=O)C2=C(C(=C(C(=C2)C(=O)C3=NC=C(C(=C3)N(CC4CC4)C5=CC=C(C(=C5)Cl)C(=O)O</chem>
<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>	TK05 targets glutathione S-transferases, used to investigate their role in detoxification pathways and the development of drug resistance.
<b>Storage</b>	Store at -20°C, and keep desiccated.