



## Product Information

### Keap1-Nrf2 inhibitor Oltipraz, Purity ≥98%

**Cat. No.:** X23-10-ZQ574

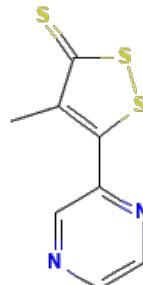
**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**MDL:** MFCD00868499

**CAS Number:** 64224-21-1

**Compound CID:** 47318

**Synonym:** Oltipraz; 64224-21-1; 4-Methyl-5-(pyrazin-2-yl)-3H-1,2-dithiole-3-thione; RP 35972; Oltipraz [INN]; Oltiprazum; 4-Methyl-5-pyrazinyl-3H-1,2-dithiole-3-thione; Keap1-Nrf2 inhibitor



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

### Product Information

<b>Description</b>	Oltipraz, soluble in warmed DMSO and insoluble in water and ethanol, is an active small molecule compound that mediates the Keap1-Nrf2 signaling pathway. It targets Nrf2.
<b>Molecular Weight</b>	226.34
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>6</sub> N <sub>2</sub> S <sub>3</sub>
<b>Targets</b>	Nrf2
<b>IUPAC Name</b>	4-Methyl-5-pyrazin-2-ylidithiole-3-thione
<b>InChI</b>	InChI=1S/C8H6N2S3/c1-5-7(12-13-8(5)11)6-4-9-2-3-10-6/h2-4H,1H3
<b>InChI Key</b>	CKNAQFVBEHDJQV-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=C(SSC1=S)C2=NC=CN=C2
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	Warmed DMSO: 34 mg/mL (150.21 mM); Water: Insoluble; Ethanol: Insoluble
<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>Applications</b>	Oltipraz can be used to investigate its effects as an anticarcinogen and chemoprotective agent via Nrf2 pathway activation.
<b>Storage</b>	Store at -20°C.



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