

## Product Information

### *N*-Methyl metribuzin, Purity ≥98%

**Cat. No.:** X24-09-YM1219

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

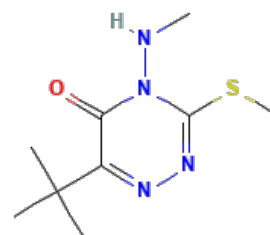
**CAS Number:** 56742-45-1

**Compound CID:** 13375851

**Synonym:** 56742-45-1; MethylaMine; SPI-115;

6-*Tert*-butyl-4-(methylamino)-3-methylsulfanyl-1,2,4-triazin-5-one

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



#### Product Information

<b>Description</b>	<i>N</i> -Methyl metribuzin is an aminotriazinone and the methylamine analogue of the herbicide Metribuzin. The molecular weight of the compound is 228.318, and its molecular formula is C <sub>9</sub> H <sub>16</sub> N <sub>4</sub> OS.
<b>Molecular Weight</b>	228.318
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>16</sub> N <sub>4</sub> OS
<b>IUPAC Name</b>	6- <i>Tert</i> -butyl-4-(methylamino)-3-methylsulfanyl-1,2,4-triazin-5-one
<b>InChI</b>	InChI=1S/C9H16N4OS/c1-9(2,3)6-7(14)13(10-4)8(15-5)12-11-6/h10H,1-5H3
<b>InChI Key</b>	JBFWXRSTOLHNFZ-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C)C1=NN=C(N(C1=O)NC)SC
<b>Isomeric SMILES</b>	C1=CC(=CC=C1C(=O)N(CCNC(=S)NC2=CC3=C(C=C2)C4(C5=C(C=C(C=C5)O)OC6=C4C=CC(=C6)O)OC3=O)[C@@H](CCC(=O)N)C(=O)O)NCC7=CN=C8C(=N7)C(=O)NC(=N8)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	<i>N</i> -Methyl metribuzin plays a key role in disrupting the electron transport chain during photosynthesis.
<b>Storage</b>	Store at -20°C, and keep desiccated.