

**Product Name:** 3-Methyl-2-benzothiazolinone Hydrazone Hydrochloride  
Monohydrate, 98%, Thermo Scientific Chemicals

**Catalog Number:** 414020100

---

**CAS Number:** 38894-11-0

**IUPAC Name:** (2Z)-2-hydrazinylidene-3-methyl-2,3-dihydro-1,3-benzothiazole

**Molecular Formula:** C<sub>8</sub>H<sub>9</sub>N<sub>3</sub>S

**Molecular Weight:** 179.24

**InChI Key:** PHOLIFLKGONSGY-NTMALXAHS-A-N

**SMILES:** CN1C(SC2=CC=CC=C12)=NN

**Synonym:** (2Z)-2-hydrazinylidene-3-methyl-1,3-benzothiazole

### Product Specification

**Appearance (Color):** White to beige

**Appearance (Form):** Crystalline powder

**Infrared spectrum:** Conforms

**HPLC:** ≥97.5 %

**Elemental Analysis:** 40.1 to 42.1 % (C)

**Loss on drying:** 3 % to 8 %

---

**Date Of Print:** 10/06/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*