

**Product Name:** Metolazone

**Cat. No.:** BIAOS-2505-CXX-30

**Package:** 50 mg/250 mg

## Description

Metolazone is a useful diuretic that inhibits the thiazide-sensitive  $\text{Na}^{\pm}\text{Cl}^-$  cotransporter (NCC) ( $\text{IC}_{50} = 0.3 \mu\text{M}$  in rats), blocking sodium reabsorption. Additionally, it activates the mitochondrial unfolded protein response (UPRMT) and extends *C. elegans* lifespan.

## Product Details

**Formal Name:** 7-Chloro-1, 2, 3,

4-tetrahydro-2-methyl-3-(2-methylphenyl)-4-oxo-6-quinazolinesulfonamide

**Synonyms:** SR 720-22

**Purity:** >98%

**CAS Number:** 17560-51-9

**Formula:**  $\text{C}_{16}\text{H}_{16}\text{ClN}_3\text{O}_3\text{S}$

**Molecular Weight:** 365.8

**Appearance:** Powder

**Solubility:** Dissolves in DMSO (36 mg/mL)

**Stability:**  $\geq 2$  years

**Application Procedures:** First, dissolve in DMSO (36 mg/mL), and then dilute it into an aqueous buffer. Solutions in DMSO can be stored at  $-20^{\circ}\text{C}$  for up to 2 months.

**Storage Information:**  $-20^{\circ}\text{C}$

## Application

UPR activator and longevity inducer

 For preclinical research and development use only; not intended for therapeutic or other applications.