

Datasheet for ABIN7233295

**SRT1720 HCl**

## 1 Image

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## Overview

Quantity: 5 mg

Application: Activation (Act)

## Product Details

Purpose: SIRT1 activator

Characteristics: Sirtuin1 (SIRT1) activator, EC<sub>50</sub> = 0.16  $\mu$ M, that reduces glucose levels and hyperinsulinemia in mouse and rat models of obesity. SRT1720 represses expression of circadian clock genes in vitro and in vivo. It inhibits vascular inflammation caused by angiotensin II-induced atherosclerosis and reverses abnormal mitochondrial function in primary neurons exposed to 20-HETE. Ameliorates hypoxic injury in pancreatic  $\beta$ -cells, and enhances ferroptosis in head and neck cancer cells.

Purity: &gt;98 %

Chemical Name: N-[2-[3-(Piperazin-1-ylmethyl)imidazo[2,1-b][1,3]thiazol-6-yl]phenyl]quinoxaline-2-carboxamide, hydrochloride

Formula: C<sub>25</sub>H<sub>23</sub>N<sub>7</sub>O<sub>5</sub>·HCl

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

## Target Details

Background: SIRT 1933, Redox, Epigenetics, Apoptosis inhibitor, Mitochondrial function, Protein deacetylase, Oxidative stress, Cell death, Circadian rhythm, Diabetes, Kidney disease, Atherosclerosis, Inflammation, Posttranslational modification, Obesity, Chromatin

Molecular Weight: 506.0

## Target Details

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CAS-No: 1001645-58-4

## Application Details

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Restrictions: For Research Use only

## Handling

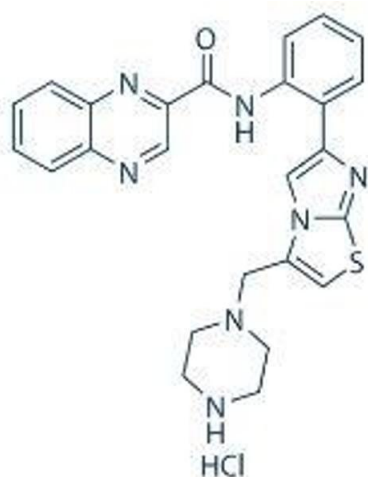
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Format: Powder

Storage: -20 °C

## Images

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### Molecule

Image 1. /