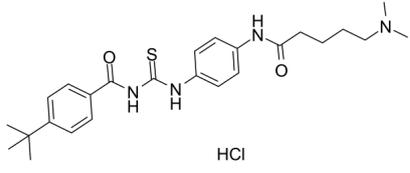


## Certificate of Analysis

Catalog Number	BP10019
Product Name	Tenovin-6 Hydrochloride

### Physical and Chemical Properties

CAS No.	1011301-29-3
Chemical Formula	C <sub>25</sub> H <sub>35</sub> ClN <sub>4</sub> O <sub>2</sub> S
Molecular Weight	491.09
Solubility	DMSO: 100 mg/mL (293.75 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

### Product Information

Description	Tenovin-6 Hydrochloride, an analog of Tenovin-1 (HY-13423), is an activator of p53 transcriptional activity. Tenovin-6 Hydrochloride inhibits the protein deacetylase activities of purified human SIRT1, SIRT2, and SIRT3 with IC50s of 21 $\mu$ M, 10 $\mu$ M, and 67 $\mu$ M, respectively. Tenovin-6 Hydrochloride also inhibits dihydroorotate dehydrogenase (DHODH).
Targets&IC50	SIRT1: 21 $\mu$ M, SIRT3: 67 $\mu$ M, SIRT2: 10 $\mu$ M

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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