

Kevetrin (hydrochloride)

Catalog No: tcsc4976



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

66592-89-0

Formula:

$C_5H_{10}ClN_3S$

Pathway:

Apoptosis

Target:

MDM-2/p53

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 40 mg/mL (222.63 mM)

Alternative Names:

4-Isothioureidobutyronitrile hydrochloride;thioureidobutyronitrile hydrochloride;thioureido butyronitrile hydrochloride

Observed Molecular Weight:

179.67

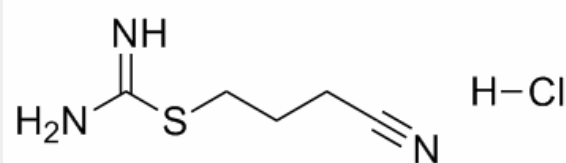
Product Description

Kevetrin hydrochloride is a small molecule and activator of the tumor suppressor protein p53, with potential antineoplastic activity.

Target p53

in vitro: Kevetrin activates p53 which in turn induces the expressions of p21 and PUMA (p53 up-regulated modulator of apoptosis), thereby inhibiting cancer cell growth and causing tumor cell apoptosis. Kevetrin may be effective in drug-resistant cancers with mutated p53. p53 tumor suppressor, a transcription factor regulating the expression of many stress response genes and mediating various anti-proliferative processes, is often mutated in cancer cells.

in vivo: Kevetrin has demonstrated potent anti-tumor efficacy against various carcinoma xenograft models: lung, breast, colon, prostate and squamous cell carcinoma, and in a leukemia tumor model. In drug-resistant cell lines, Kevetrin has shown excellent activity, galvanizing the Company to focus on Kevetrin's development potential in this area.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!