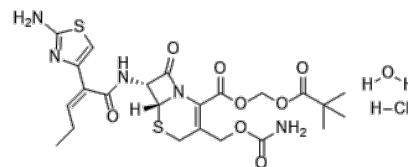


Product Name : Cefcapene pivoxil hydrochloride hydrate
Cat. No. : PC-23814
CAS No. : 147816-24-8
Molecular Formula : C₂₃H₃₂ClN₅O₉S₂
Molecular Weight : 622.11
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Cefcapene pivoxil hydrochloride hydrate (Compound 98) is an orally active third-generation cephalosporin with a wide spectrum of anti-bacterial activity, also is a specific small molecule inhibitor of gasdermin D (GSDMD) targeting the GSDMD N-terminal oligomerization interface I (MST KD=0.32uM), exert pyroptosis inhibitory effects.

Cefcapene pivoxil hydrochloride hydrate significantly inhibited the release of LDH and IL-1 β from iBMDM cells primed with LPS.

Cefcapene pivoxil hydrochloride hydrate specifically inhibit GSDMD N-terminal oligomerization.

Cefcapene pivoxil hydrochloride hydrate does not affect the cytotoxicity induced by GSDME N-terminal fragment and its oligomerization in HEK293T cells.

Cefcapene pivoxil hydrochloride hydrate specifically blocks GSDMD-mediated pyroptosis downstream of inflammasome activation.

Cefcapene pivoxil hydrochloride hydrate (10 mg/kg) significantly alleviate mouse sepsis in murine model of sepsis.

Combination Cefcapene pivoxil hydrochloride hydrate and PD-L1 antibody significantly enhances anti-tumor efficacy.

References

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urakami M, et al. Dermatology. 2015;231(4):304-11.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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