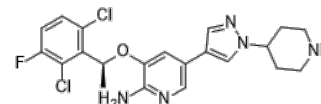


Product Name : (S)-Crizotinib
Cat. No. : PC-27895
CAS No. : 1374356-45-2
Molecular Formula : C₂₁H₂₂Cl₂FN₅O
Molecular Weight : 450.34
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

(S)-Crizotinib is a potent inhibitor of 7,8-dihydro-8-oxoguanine triphosphatase MTH1 (NUDT1) with IC₅₀ of 72 nM and ITC KD of 47 nM.

(S)-Crizotinib has IC₅₀ of 330 nM and 408 nM for MTH1 substrates 8-oxo-dGTP and 2-OH-dATP, respectively.

(S)-Crizotinib efficiently inhibits colony formation of SW480 and KRAS mutated PANC1 cells, similar to SCH51344.

(S)-Crizotinib efficiently stabilized MTH1 validating the differential targeting within cells.

(S)-Crizotinib induced DNA damage in cancer cells and reduced tumour growth in SW480 colon carcinoma xenograft model.

References

Huber KV, et al. Nature. 2014 Apr 10;508(7495):222-7.

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

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