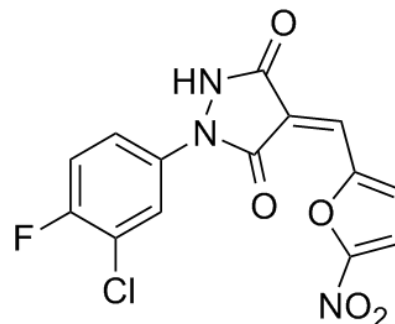


Product Name : PYZD-4409
Cat. No. : PC-43475
CAS No. : 423148-78-1
Molecular Formula : C₁₄H₇ClFN₃O₅
Molecular Weight : 351.67
Target : Ubiquitin-activating Enzyme (E1)
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

PYZD-4409 is a specific inhibitor of ubiquitin-activating enzyme **UBA1** with IC₅₀ of 20 μM.

PYZD-4409 inhibits the ATP-dependent activation of ubiquitin and subsequent transfer of the activated ubiquitin from the E1 to the common human E2 enzyme UBE2E2.

PYZD-4409 blocks the E1-dependent conjugation of ubiquitin to the E2 enzyme cdc3, induces cell death in hematologic malignant cell lines and primary patient samples preferentially over normal hematopoietic cells.

PYZD-4409 decreases tumor weight and volume without untoward toxicity in vivo.

References

Xu GW, et al. *Blood*. 2010 Mar 18;115(11):2251-9.

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

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