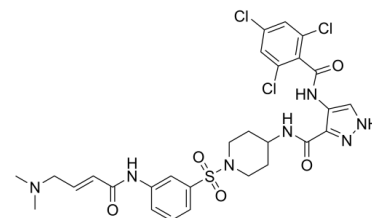


Data Sheet

| | |
|---------------------------|---|
| Product Name: | FMF-04-159-2 |
| Cat. No.: | CS-0093104 |
| CAS No.: | 2364489-81-4 |
| Molecular Formula: | C ₂₈ H ₃₀ Cl ₃ N ₇ O ₅ S |
| Molecular Weight: | 683.01 |
| Target: | CDK |
| Pathway: | Cell Cycle/DNA Damage |
| Solubility: | DMSO : 250 mg/mL (ultrasonic) |



BIOLOGICAL ACTIVITY:

FMF-04-159-2 is a covalent **CDK14** inhibitor. FMF-04-159-2 inhibits CDK14 and CDK2 with **IC₅₀s** of 39.6 nM and 256 nM in NanoBRET assay, respectively^[1]. *In Vitro*: FMF-04-159-2 inhibits HCT116 proliferation with an IC₅₀ of 1,144±190 nM^[1].

References:

[1]. Ferguson FM, et al. Discovery of Covalent CDK14 Inhibitors with Pan-TAIRE Family Specificity. Cell Chem Biol. 2019 Mar 11. pii: S2451-9456(19)30070-4.

CAIndexNames:

1H-Pyrazole-3-carboxamide, N-[1-[[[3-[[[(2E)-4-(dimethylamino)-1-oxo-2-buten-1-yl]amino]phenyl]sulfonyl]-4-piperidinyl]-4-[(2,4,6-trichlorobenzoyl)amino]-

SMILES:

O=C(C1=NNC=C1NC(C2=C(Cl)C=C(Cl)C=C2Cl)=O)NC3CCN(S(=O)(C4=CC=CC(NC(/C=C/CN(C)C)=O)=C4)=O)CC3

Caution: Product has not been fully validated for medical applications. For research use only.

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