

Product Datasheet

M3541

Catalog No. **BP-02256** · CAS **1360628-91-6** · Form **free base** · Physical state **other** · Color **White to light yellow** · Version **1.0**
· Revision **2026-09-03**

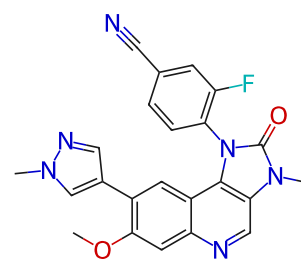
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Target ATM/ATR	Research area Cancer
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Molecular formula **C₂₃H₁₇FN₆O₂**

Molecular weight **428.4185**

STRUCTURE



DESCRIPTION

M3541 is a potent, ATP-competitive and selective ATM inhibitor with an IC₅₀ of 0.25 nM. M3541 shows remarkable selectivity against other protein kinases. M3541 suppresses double-strand breaks (DSB) repair and has antitumor activities.

BIOLOGICAL ACTIVITY

M3541 is a potent, ATP-competitive and selective ATM inhibitor with an IC₅₀ of 0.25 nM.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 4.55 mg/mL

REFERENCES

[1]. Astrid Zimmermann, et al. A New Class of Selective ATM Inhibitors as Combination Partners of DNA Double-Strand Break Inducing Cancer Therapies. Mol Cancer Ther. 2022 Jun 1;21(6):859-870.

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