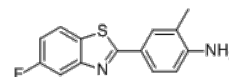


Product Name : 5F-203
Cat. No. : PC-60776
CAS No. : 260443-89-8
Molecular Formula : C₁₄H₁₁FN₂S
Molecular Weight : 258.314
Target : Aryl hydrocarbon Receptor (AhR)
Solubility : 10 mM in DMSO



Biological Activity

5F-203 (NSC 703786) is a potent, selective antitumour agent through activation the **aryl hydrocarbon receptor (AhR)** pathway.

5F-203 (NSC 703786) causes MCF-7 sensitive cells to arrest in G(1) and S phase, and induces DNA adduct formation, in contrast to AhR-deficient AH(R100) variant MCF-7 cells, induces CYP1A1 and CYP1B1 transcription.

L-lysylamide prodrug Phortress (NSC 710305) demonstrates antitumor activity in vivo.

References

Bradshaw TD, et al. *Mol Cancer Ther.* 2002 Feb;1(4):239-46.

Gilbert J, et al. *Mol Pharmacol.* 2017 Dec 21. pii: mol.117.109827.

Trapani V, et al. *Br J Cancer.* 2003 Feb 24;88(4):599-605.

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

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