

Product Datasheet

NSC-703786

Catalog No. **BP-02522** · CAS **260443-89-8** · Form **free base** · Physical state **other** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-10**

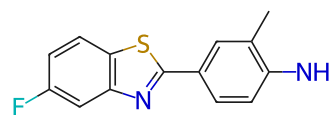
FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target Aryl Hydrocarbon Receptor	Research area Others
--	--------------------------------

Molecular formula **C₁₄H₁₁FN₂S**

Molecular weight **258.3140**

STRUCTURE



DESCRIPTION

5F-203 (NSC-703786) is a cytotoxic molecule that forms DNA adducts and cell cycle arrest. 5F-203 induces aryl hydrocarbon receptor (AhR) signaling and elevates expression of CYP1A1. 5F-203 also increases the levels of reactive oxygen species as well as activates JNK, ERK, and p38.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1].Hutchinson I, et al. Antitumor benzothiazoles. 16. Synthesis and pharmaceutical properties of antitumor 2-(4-aminophenyl)benzothiazole amino acid prodrugs. J Med Chem. 2002 Jan 31;45(3):744-7.
- [2].Hose CD, et al. Induction of CYP1A1 in tumor cells by the antitumor agent 2-[4-amino-3-methylphenyl]-5-fluorobenzothiazole: a potential surrogate marker for patient sensitivity. Mol Cancer Ther. 2003 Dec;2(12):1265-72.
- [3].Callero MA, et al. Biomarkers of sensitivity to potent and selective antitumor 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole (5F203) in ovarian cancer. J Cell Biochem. 2013 Oct;114(10):2392-404.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

BiochemProbe is the catalog brand of Guangzhou Yuyuan Biotech Co., Ltd. · For research use only.

Lot CoA and SDS are separate documents.