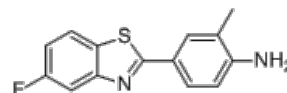


Product Name : 5F 203
Synonyms : 5F-203;5F203;NSC 703786;NSC703786
Cat No. : M13790
CAS Number : 260443-89-8
Molecular Formula : C₁₄H₁₁FN₂S
Formula Weight : 258.31
Chemical Name : 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole



Description : A potent, selective antitumour agent through activation the aryl hydrocarbon receptor (AhR) pathway; 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.

Pathway : Endocrinology/Hormones

Target : AhR

Receptor : AhR

Solubility : —

SMILES : CC1=C(C=CC(=C1)C2=NC3=C(S2)C=CC(=C3)F)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bradshaw TD, et al. Mol Cancer Ther. 2002 Feb;1(4):239-46. 2. Gilbert J, et al. Mol Pharmacol. 2017 Dec 21. pii: mol.117.109827. 3. Trapani V, et al. Br J Cancer. 2003 Feb 24;88(4):599-605. 4. Leong CO, et al. Br J Cancer. 2003 Feb 10;88(3):470-7.