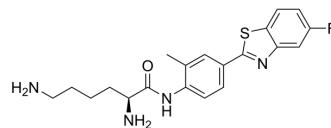


## Phortress free base

Cat. No.:	HY-128920
CAS No.:	741241-36-1
Molecular Formula:	C <sub>20</sub> H <sub>23</sub> FN <sub>4</sub> OS
Molecular Weight:	386.49
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Phortress free base (NSC 710305) is a P450 CYP1A1-activated antitumor prodrug with antitumor activity <sup>[1]</sup> . Phortress free base leads to DNA damage and cell cycle arrest <sup>[2]</sup> .
IC <sub>50</sub> & Target	CYP1

### REFERENCES

[1]. Behrsing HP, et al. In vitro exposure of precision-cut lung slices to 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole lysylamide dihydrochloride (NSC 710305, Phortress) increases inflammatory cytokine content and tissue damage. *Toxicol Sci.* 2013 Feb;131(2):470-9.

[2]. Trapani V, et al. DNA damage and cell cycle arrest induced by 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole (5F 203, NSC 703786) is attenuated in aryl hydrocarbon receptor deficient MCF-7 cells. *Br J Cancer.* 2003 Feb 24;88(4):599-605.

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

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