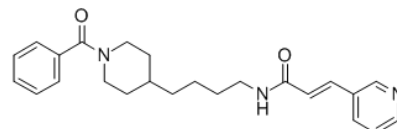


**Product Name** : FK-866  
**Cat. No.** : PC-45883  
**CAS No.** : 658084-64-1  
**Molecular Formula** : C<sub>24</sub>H<sub>29</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 391.506  
**Target** : NAMPT  
**Solubility** : 10 mM in DMSO



## Biological Activity

FK-866 (Daporinad, APO-866) is a potent, highly specific **nicotinamide phosphoribosyltransferase (NAMPT)** inhibitor with Ki of 0.4 nM.

FK-866 (Daporinad, APO-866) effectively induces delayed cell death by apoptosis in HepG2 human liver carcinoma cells with IC50 of 1 nM.

FK-866 (Daporinad, APO-866) causes gradual NAD<sup>+</sup> depletion but does not directly inhibit mitochondrial respiratory activity.

FK-866 (Daporinad, APO-866) demonstrates significant anti-MM activity in a xenograft-murine MM model, associated with down-regulation of ERK1/2 phosphorylation and proteolytic cleavage of LC3 in tumor cells.

## References

Hasmann M, et al. *Cancer Res.* 2003 Nov 1;63(21):7436-42.

Muruganandham M, et al. *Clin Cancer Res.* 2005 May 1;11(9):3503-13.

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

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