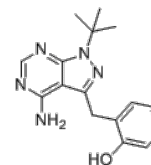


**Product Name** : 2OH-BNPP1  
**Cat. No.** : PC-21172  
**CAS No.** : 833481-73-5  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>N<sub>5</sub>O  
**Molecular Weight** : 297.36  
**Target** : Checkpoint Kinase (Chk)  
**Solubility** : 10 mM in DMSO



## Biological Activity

2OH-BNPP1 is a small molecule inhibitor of BUB1 (budding uninhibited by benzimidazoles-1) kinase, abrogates TGFβ signaling.

2OH-BNPP1 dose-dependently impaired the TGFβ-induced phosphorylation of proteins that mediate canonical and non-canonical TGFβ signaling in multiple cancer cell lines.

2OH-BNPP1 abrogates SMAD2 phosphorylation in vivo.

## References

Nyati S, et al. *Sci Signal*. 2015 Jan 6;8(358):ra1.

Jiang N, et al. *J Exp Clin Cancer Res*. 2021 Dec 1;40(1):378.

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

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