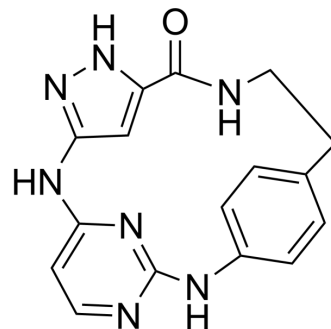


## BMPR2-IN-1

Cat. No.:	HY-154970
Molecular Formula:	C <sub>16</sub> H <sub>15</sub> N <sub>7</sub> O
Molecular Weight:	321.34
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

BMPR2-IN-1 (Compound 8a) is a BMPR2 inhibitor with an IC<sub>50</sub> of 506 nM and a K<sub>D</sub> of 83.5 nM. BMPR2-IN-1 can be used for research of pulmonary arterial hypertension, Alzheimer's disease and cancer<sup>[1]</sup>.

## REFERENCES

[1]. Amrhein JA, et al. Design and Synthesis of Pyrazole-Based Macrocyclic Kinase Inhibitors Targeting BMPR2. ACS Med Chem Lett. 2023 May 30;14(6):833-840.

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

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