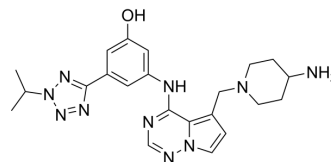


## BMS-901715

Cat. No.:	HY-117453
CAS No.:	1699861-37-4
Molecular Formula:	C <sub>22</sub> H <sub>28</sub> N <sub>10</sub> O
Molecular Weight:	448.52
Target:	AAK1
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BMS-901715 is a potent and selective adapter protein-2 associated kinase 1 (AAK1) inhibitor with an IC <sub>50</sub> of 3.3 nM <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 3.3 nM (Adapter protein-2 associated kinase 1 (AAK1)) <sup>[2]</sup>
In Vitro	Adaptor associated kinase 1 (AAK1) is a member of the Ark1/Prk1 family of serine/threonine kinases. AAK1 mRNA exists in two splice forms termed short and long. The long form predominates and is highly expressed in brain and heart. AAK1 is enriched in synaptosomal preparations and is co-localized with endocytic structures in cultured cells. AAK1 modulates clathrin coated endocytosis, a process that is important in synaptic vesicle recycling and receptor-mediated endocytosis <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Kostich W, et al. Inhibition of AAK1 Kinase as a Novel Therapeutic Approach to Treat Neuropathic Pain. *J Pharmacol Exp Ther*. 2016 Sep;358(3):371-86.
- [2]. Carolyn Diane Dzierba, et al. Pyrrolotriazine kinase inhibitors. WO2015054358A1.

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

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