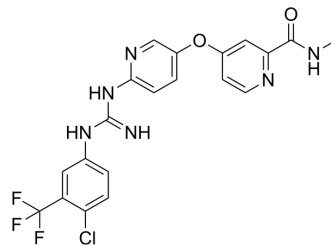


## DCZ3301

Cat. No.:	HY-125542
CAS No.:	2136278-38-9
Molecular Formula:	C <sub>20</sub> H <sub>16</sub> ClF <sub>3</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	464.83
Target:	Apoptosis; PI3K; Akt
Pathway:	Apoptosis; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

DCZ3301 is a potent aryl-guanidino inhibitor. DCZ3301 inhibits cell proliferation, induces G2/M cell cycle arrest and apoptosis. DCZ3301 inhibits the activation of the PI3K/AKT pathway by downregulating the protein expression of PI3K and phosphorylation of AKT. DCZ3301 can be used in research of cancer<sup>[1]</sup>.

## REFERENCES

[1]. Xiao W, et, al. DCZ3301, a novel aryl-guanidino inhibitor, induces cell apoptosis and cell cycle arrest via suppressing the PI3K/AKT pathway in T-cell leukemia/lymphoma. *Acta Biochim Biophys Sin (Shanghai)*. 2018 Jul 1;50(7):643-650.

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

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