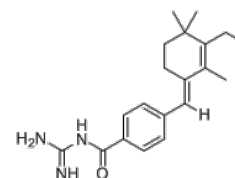


**Product Name** : MAGMAS inhibitor BT9  
**Cat. No.** : PC-21924  
**CAS No.** : 1251957-89-7  
**Molecular Formula** : C<sub>20</sub>H<sub>27</sub>N<sub>3</sub>O  
**Molecular Weight** : 325.46  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



CAS: 1251957-89-7

## Biological Activity

MAGMAS inhibitor BT9 is a small molecule **MAGMAS** (mitochondria associated, granulocyte-macrophage colony stimulating factor signaling molecule) inhibitor with binding K<sub>d</sub> of 33 uM.

MAGMAS inhibitor BT9 inhibits growth at the 4 μM scale in yeast proliferation assays.

MAGMAS inhibitor BT9 decreases cell proliferation, migration, and oxidative phosphorylation in adult glioblastoma cell lines (DAOY cell, 24hrs IC<sub>50</sub>: 3.6uM; D425 cells, 24hrs IC<sub>50</sub>: 3.4uM).

## References

Zahra Motahari, et al. *bioRxiv*. 2024 Mar 3:2024.02.29.582709.

Paul T Jubinsky, et al. *Bioorg Med Chem Lett*. 2011 Jun 1;21(11):3479-82.

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

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