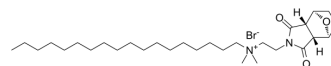


## RTIL 13

Cat. No.:	HY-115739
CAS No.:	1009376-10-6
Molecular Formula:	C <sub>30</sub> H <sub>55</sub> BrN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	571.67
Target:	Ras
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	RTIL 13 is a potent inhibitor of dynamin GTPase, with an IC <sub>50</sub> of 2.3 μM for dynamin I GTPase. RTIL 13 also targets pleckstrin homology lipid binding domain. RTIL 13 can inhibit receptor-mediated and synaptic vesicle endocytosis, with IC <sub>50</sub> s of 9.3 μM and 7.1 μM, respectively <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 2.3 μM (dynamin I GTPase) <sup>[1]</sup>
In Vitro	RTIL 13 inhibits receptor-mediated and synaptic vesicle endocytosis, with IC <sub>50</sub> s of 9.3 μM and 7.1 μM, respectively <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhang J, et, al. From Spanish fly to room-temperature ionic liquids (RTILs): synthesis, thermal stability and inhibition of dynamin 1 GTPase by a novel class of RTILs. *New Journal of Chemistry*. 2008 Jan; 32(1): 1-180.

[2]. Ascent Scientific Launch Novel Dynamin Inhibitor Dyngo-4a™ with Children's Medical Research Institute and University of Newcastle. Tuesday, December 28, 2021.

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

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