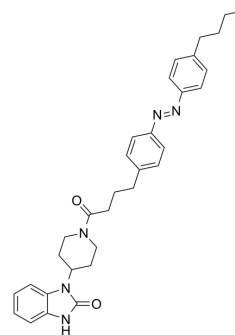


OptoBI-1

Cat. No.:	HY-133528
CAS No.:	2415272-11-4
Molecular Formula:	C ₃₂ H ₃₇ N ₅ O ₂
Molecular Weight:	523.67
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	OptoBI-1 is a photochromic TRPC3 agonist, which acts as a photopharmacological tool to control of neuronal firing ^[1] .
In Vitro	OptoBI-1 enables high-precision, temporal control of TRPC3-linked cell functions such as neuronal firing and endothelial Ca ²⁺ transients ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Oleksandra Tiapko, et al. Lipid-independent control of endothelial and neuronal TRPC3 channels by light. Chem Sci. 2019 Jan 15;10(9):2837-2842.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA