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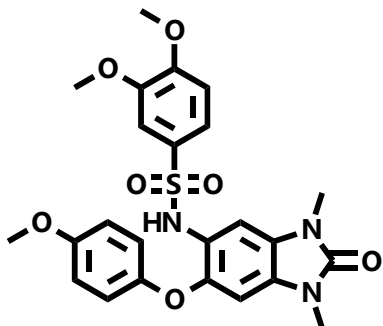
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## BRPF1B/TRIM24 Dual Inhibitor – TRIM24-C34

**Chemical Name:** 3,4-dimethoxy-N-(6-(4-methoxyphenoxy)-1,3-dimethyl-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-5-yl)benzenesulfonamide



Molecular Weight:	499.54
Formula:	C <sub>24</sub> H <sub>25</sub> N <sub>3</sub> O <sub>7</sub> S
Purity:	≥98%
CAS#:	n/a
Solubility:	DMSO up to 20 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

### Biological Activity:

TRIM24-C34 is a potent, selective and cell permeable BRPF1B and TRIM24 dual inhibitor. It binds to bromodomain BRPF1B with a K<sub>d</sub> of 137 nM, and the transcriptional regulator TRIM24 (also an E3 ubiquitin ligase) with a K<sub>d</sub> of 222 nM. It has very good selectivity against other 45 bromodomains. Cellular activity of TRIM24-C34 was demonstrated using FRAP assays as well as cell viability data. It showed no significant cytotoxicity in the cell lines tested.

### How to Use:

**In vitro:** TRIM24-C34 was used at 10 μM final concentration in various in vitro assays.

**In vivo:** n/a

### Reference:

1. Bennett J, et al. Discovery of a Chemical Tool Inhibitor Targeting the Bromodomains of TRIM24 and BRPF. (2015) J Med Chem. In press.

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