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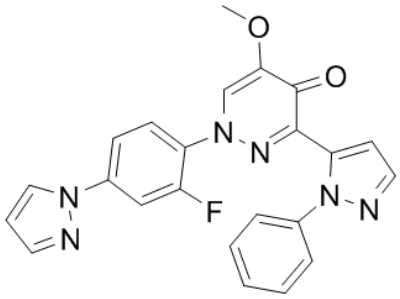
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	TAK-063
Cat. No.	:	PC-43051
CAS No.	:	1238697-26-1
Molecular Formula	:	$C_{23}H_{17}FN_6O_2$
Molecular Weight	:	428.4185
Target	:	Phosphodiesterase (PDE)
Solubility	:	10 mM in DMSO



Biological Activity

TAK-063 (Balipodect) is a highly potent, selective, orally active **PDE10A** inhibitor with IC50 of 0.3 nM, displays >15,000-fold selectivity over other PDE subtypes.
TAK-063 increases cAMP and cGMP levels in the rodent striatum and upregulates phosphorylation levels of key substrates of cAMP- and cGMP-dependent protein kinases.
TAK-063 strongly suppresses MK-801-induced hyperlocomotion in rodents (0.3 and 1 mg/kg p.o), improves cognitive functions associated with schizophrenia in rodent models,

References

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Suzuki K, et al. ***J Pharmacol Exp Ther***. 2015 Mar;352(3):471-9.

Shiraishi E, et al. ***J Pharmacol Exp Ther***. 2016 Mar;356(3):587-95.

Suzuki K, et al. ***Neuropsychopharmacology***. 2016 Aug;41(9):2252-62.

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