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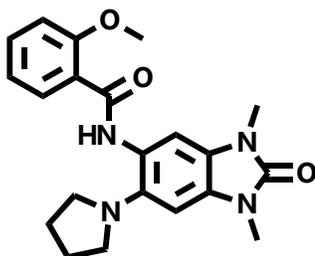
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BRPF1 Bromodomain Inhibitor – PFI-4

Chemical Name: N-(1,3-dimethyl-2-oxo-6-(pyrrolidin-1-yl)-2,3-dihydro-1H-benzo[d]imidazol-5-yl)-2-methoxybenzamide



Molecular Weight:	380.44
Formula:	C ₂₁ H ₂₄ N ₄ O ₃
Purity:	≥98%
CAS#:	900305-37-5
Solubility:	DMSO up to 50 mM EtOH up to 10 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

PFI-4 is a potent, selective and cell permeable BRPF1 bromodomain inhibitor. It binds to BRPF1B with a K_d of 13 nM (ITC). It has general >100-fold selectivity against other bromodomains including BRPF2, BRPF3 and BRD4. It reduces recovery time in triple BRD cell construct in FRAP and is potent in cells with IC₅₀ 250 nM, while showing no effect on BRPF1A.

How to Use:

In vitro: PFI-4 was used at 5-10 μM final concentration in various in vitro assays.

In vivo: n/a

Reference:

1. <http://www.thesgc.org/chemical-probes/PFI-4>

Products are for research use only. Not for human use.