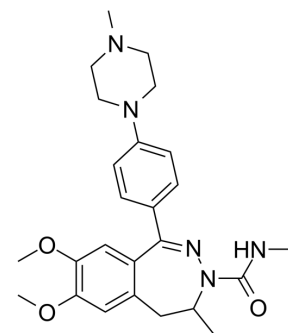


## (Rac)-BAY1238097

Cat. No.:	HY-112316B
CAS No.:	1564268-19-4
Molecular Formula:	C <sub>25</sub> H <sub>33</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	451.56
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 150 mg/mL (332.18 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.2145 mL	11.0727 mL	22.1455 mL
				5 mM	0.4429 mL	2.2145 mL	4.4291 mL
				10 mM	0.2215 mL	1.1073 mL	2.2145 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.54 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.54 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.54 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	(Rac)-BAY1238097 is a BET inhibitor, with an IC <sub>50</sub> of 1.02 μM for BRD4. Used in cancer research <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 1.02 μM (BRD4) <sup>[1]</sup>

### REFERENCES

[1]. Stephan Siegel, et al. 2,3-benzodiazepines. WO2014026997A1.

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

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