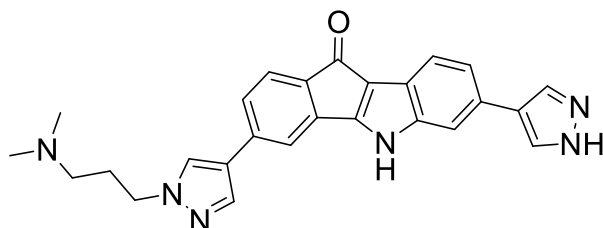
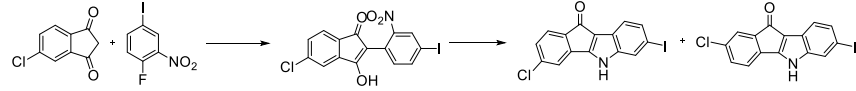


**JH-IX-179**Chemical Formula: C<sub>26</sub>H<sub>24</sub>N<sub>6</sub>O

Molecular Weight: 436.52

Category	Parameter	Description
Compound	Name	JH-IX-179
	Citation	<i>ACS Med. Chem. Lett.</i> <b>2016</b> , 7 (5), 476-481
	Chemical descriptors	O=C1C2=C(NC3=C2C=CC(C4=CN=C4)=C3)C5=C1C=CC(C6=CN(CCCN(C)C)N=C6)=C5
	Chemical name	3-(1-(3-(dimethylamino)propyl)-1H-pyrazol-4-yl)-7-(1H-pyrazol-4-yl)indeno[1,2-b]indol-10(5H)-one
	Entries in chemical databases	
	Availability	Medkoo Biosciences <a href="http://www.medkoo.com/products/8284">http://www.medkoo.com/products/8284</a>
<i>In vitro</i> profiling	Target (potency)	FLT3 (D835Y) (IC <sub>50</sub> 4 nM in cellular assay ) FLT3-ITD (IC <sub>50</sub> 10 nM in cellular assay)
	Selectivity	S-Score(10) = 0.03
	Potential reactivity	Type 1
	SAR	
	Mechanism of inhibition	reversible
	Structure of target-probe complex	
Cellular profiling	Validation of cellular target	JH-IX-179 dose-dependently inhibited Ba/F3 cells transduced with FTL3 (D835Y) and FLT3-ITD with IC <sub>50</sub> 's of 4nM and 10nM, respectively. JH-IX-179 inhibited proliferation of MOLM-13 and MOLM-14 cells with IC <sub>50</sub> 's of 2 nM and 11 nM, respectively.
	Validation of cellular specificity	
Pharmacodynamics		
Pharmacokinetics (i.v. 2 mg/kg)		



Synthetic scheme

