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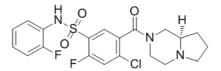
## **Certificate of Analysis**

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	: ABT-639
Cat. No.	: PC-45686
CAS No.	: 1235560-28-7
Batch No.	: PC-4568601
Chemical Name	: Benzenesulfonamide, 4-chloro-2-fluoro-N-(2-fluorophenyl)-5-[[(8aR)-hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl]carbonyl]-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	: 455.9059	
Molecular Formula	: C <sub>20</sub> H <sub>20</sub> ClF <sub>2</sub> N <sub>3</sub> O <sub>3</sub> S	
Storage	: Powder	-20°C 12 Months
		4°C 6 Months
	In solvent	-80°C 6 Months
		-20°C 1 Month
Chemical Structure	:	



ANALYTICAL DATA	
Appearance	: Solid powder
<sup>1</sup> H NMR Spectrum	: Consistent with
HPLC	: Consistent with
NP	: Consistent with
Purity (HPLC and/or LCMS)	: >98%
Conclusion	: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. Lab Use Only! E-mail: tech@probechem.com