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## Certificate of Analysis

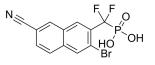
### PTP1B-IN-3

Cat. No.:	HY-15133
CAS No.:	809272-64-8
Batch No.:	369251
Chemical Name:	Phosphonic acid, P-[(3-bromo-7-cyano-2-naphthalenyl)difluoromethyl]-

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>12</sub> H <sub>7</sub> BrF <sub>2</sub> NO <sub>3</sub> F	)	
Molecular Weight:	362.06		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

#### **Chemical Structure:**



#### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (HPLC):	99.35%
Conclusion:	The product has been tested and complies with the given specifications.

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

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