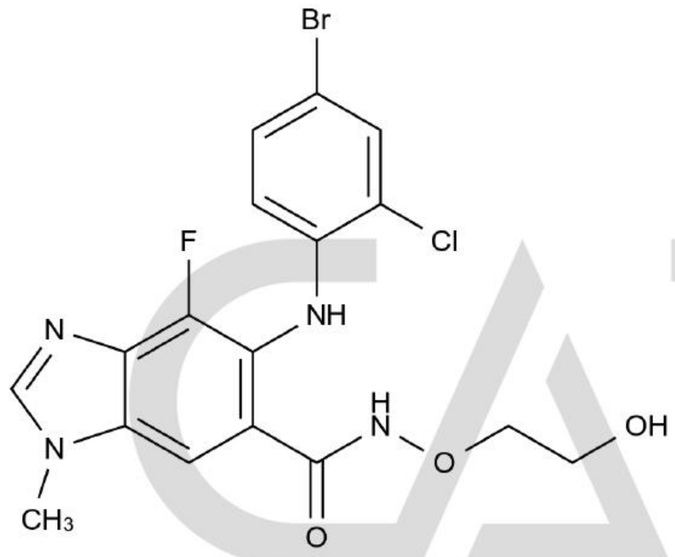
Certificate of Analysis

Reference Material & Standard

Product Name:	Selumetinib	**Catalogue Number:**	C1894830
Synonyms:	N/A	**Lot Number:**	1008-RH-0001
CAS Number:	606143-52-6	**Expiry Date:**	Oct 08, 2030
Molecular Formula:	$C_{12}H_{28}N\ BF_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	457.68	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.6372%
Loss on Drying	TGA	0.0423%
Assay	qNMR	99.0%
Assay (Assigned Value)	Mass Balance	99.3%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Oct 09, 2026

Reviewed by: Koi Date: Oct 09, 2026

Approved by General Manager: David Date: Oct 09, 2026

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