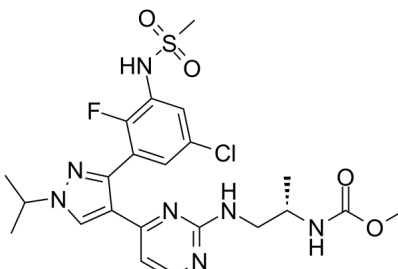


## Certificate of Analysis

Catalog Number	BP22547
Product Name	Encorafenib

## Physical and Chemical Properties

CAS No.	1269440-17-6
Chemical Formula	C <sub>22</sub> H <sub>27</sub> ClFN <sub>7</sub> O <sub>4</sub> S
Molecular Weight	540.01
Solubility	DMSO: 50 mg/mL (92.59 mM, Need ultrasonic)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	Encorafenib (LGX818) is a highly potent BRAF inhibitor with selective anti-proliferative and apoptotic activity in cells expressing BRAFV600E (EC <sub>50</sub> =4 nM).
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In vitro	<p>Encorafenib (LGX818) is a potent drug that can prevents diseases or disorders associated with abnormal or deregulated kinase activity, particularly diseases or disorders that involve abnormal activation of B-Raf.</p> <p>Encorafenib (LGX818) (10 nM) suppresses the ERK/MAPK pathway and displays marked inhibition of pERK in A375, G361 and SK-MEL-24 cells. 10 nM Encorafenib (LGX818) treatment for 12 days potently inhibits colony formation in A375, G361 and SK-MEL-24 cells, but not in RPMI7951 and C8161 cells. Encorafenib (LGX818) treatment induces a steady increase in the <math>\beta</math>-catenin level in G361 cells over time.</p>
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	<p>Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.</p>

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