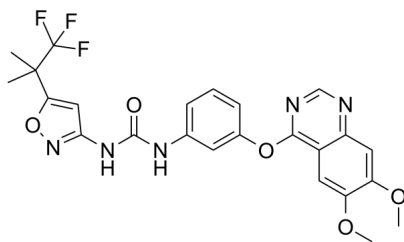


Certificate of Analysis

Catalog Number	BP10213
Product Name	Agerafenib

Physical and Chemical Properties

Synonyms	CEP32496, CEP 32496, RXDX-105, CEP-32496
CAS No.	1188910-76-0
Chemical Formula	C ₂₄ H ₂₂ F ₃ N ₅ O ₅
Molecular Weight	517.465
Solubility	Ethanol: <1 mg/mL DMSO: 9 mg/mL (17.39 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	CEP-32496 is a highly potent inhibitor of BRAF.
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Targets&IC50	c-Kit: 2 nM(Kd), PDGFRβ: 2 nM(Kd), Abl1: 3 nM(Kd), Lck: 2 nM(Kd), RET: 2 nM(Kd)
In vitro	Cells are seeded at 104 cells per well in DMEM with 10% fetal calf serum and allowed to attach. The cells are washed with PBS and switched to DMEM with 0.5% of serum and incubated overnight. CEP-32496 is then added at various concentrations with a final DMSO concentration of 0.5% and incubated for 72 h. At the end of incubation, a Cell Titer Blue is added per instructions, and incubation is continued for 3 hours. Remaining viable cells are quantified by measuring the strength of the fluorescence signal using SoftMax Pro (excitation at 560 nm and emission at 590 nm). IC50 values are derived using a 9-point curve fitted with Igor Pro and are presented as mean values from experiments performed in duplicate. Variability between individual values is less than 2-fold.(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	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.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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