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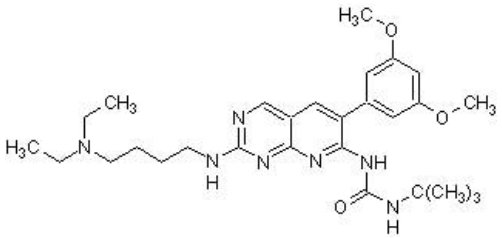
Product datasheet

PD 173074, FGFR1 and FGFR3 inhibitor ab141117

2 References 画像数 2

製品の概要

製品名	PD 173074, FGFR1 and FGFR3 inhibitor
製品の詳細	Potent FGFR1 and FGFR3 inhibitor
精製度	> 99%
CAS 番号	219580-11-7
構造式	

製品の特性

体系名	*N*-[2-[[4-(Diethylamino)butyl]amino]-6-(3,5-dimethoxyphenyl)pyrido[2,3-*d*]pyrimidin-7-yl]-*N*'-(1,1-dimethylethyl)urea
分子量	523.68
分子式	$C_{28}H_{41}N_7O_3$
PubChem 登録番号	1401
保存方法	Store at +4°C. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM and in ethanol to 100 mM
使用に関する注意	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
SMILES 線形表記	CC(C)(C)NC(=O)Nc1nc3nc(NCCCCN(CC)CC)ncc3cc1c2cc(OC)cc(OC)c2
由来	Synthetic

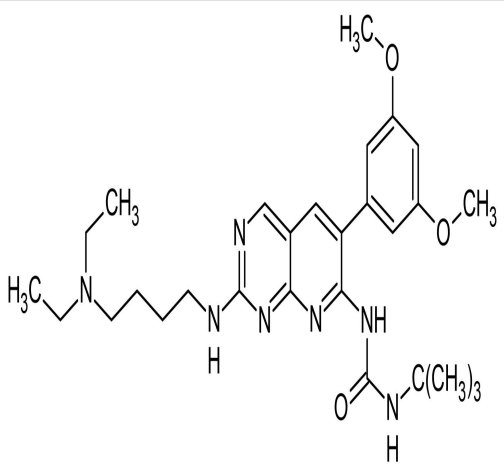
アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab141117の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

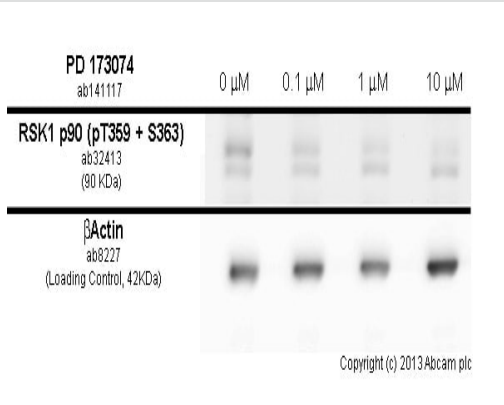
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Chemical Structure - PD 173074, FGFR1 and FGFR3 inhibitor (ab141117)

2D chemical structure image of ab141117, PD 173074, FGFR1 and FGFR3 inhibitor



Functional Studies - PD 173074, FGFR1 and FGFR3 inhibitor (ab141117)

BT549 cells were incubated at 37ºC for 1 hour with vehicle control (0 µM) and different concentrations of PD 173074 (ab141117) in DMSO. Decreased expression of RSK1 p90 (phospho T359 + S363) **ab32413** correlates with an increase in PD 173074 concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab32413** at 1/5000 dilution and **ab8227** at 1 µg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP **ab97051** at 1/10000 dilution and visualised using ECL development solution.

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