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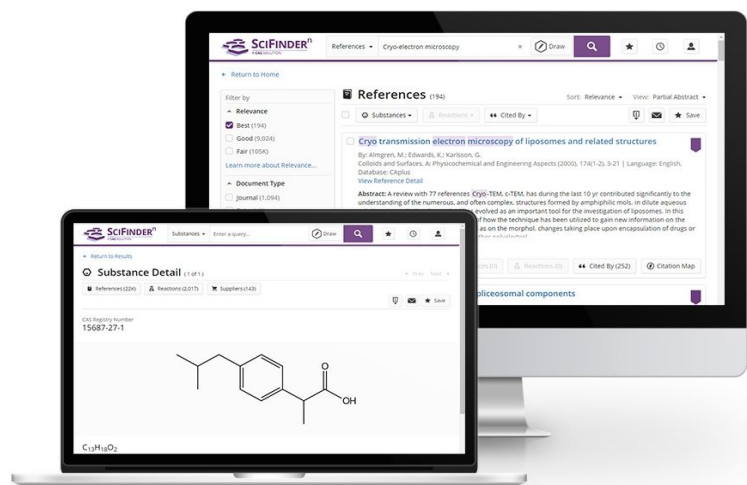
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kinase inhibitors in the treatment of cancer

Advanced search for Molecular Formula

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October 2, 2017

10:06 AM

References: p38 MAP Kinase inhibitors in the treatment of cancer

As Drawn (3,103), Substructure (3,267)

Key Substances in Patent

CAS RN 934660-93-2

CAS Name Cobimetinib

Substance Detail

Reactions (47)

Suppliers (52)

References (234)

Edit Structure

Bcl-2 inhibitor are co-formulated.

10. The method of claim 10 wherein the MEK inhibitor and the selective Bcl-2 inhibitor are co-formulated in a pharmaceutical composition further comprising a pharmaceutically acceptable excipient.

11. The method of any of claims 1 through 7 wherein the MEK inhibitor is administered sequentially with the selective Bcl-2 inhibitor.

12. The method of claim 11 wherein the MEK inhibitor and the selective Bcl-2 inhibitor are formulated in separate orally available dosage forms.

13. The method of any of claims 1 through 12 wherein the MEK inhibitor inhibits MEK1, MEK2, or both MEK1 and MEK2.

14. The method of any of claims 1 through 13 wherein the MEK inhibitor is [3,4-difluoro-2-(2-fluoro-4-iodoanilino)pyridin-5-yl]methanone.

15. The method of any of claims 1 through 14 wherein the MEK inhibitor is [3,4-difluoro-2-((4-chlorophenyl)-4,4-difluoro-1H-pyridin-2-ylideneamino)phenyl]methanone (ABT-852).

16. The method of any of claims 1 through 15 wherein the MEK inhibitor is [3,4-difluoro-2-((4-chlorophenyl)-4,4-difluoro-1H-pyridin-2-ylideneamino)phenyl]methanone (ABT-852).

Patent	Language	Kind Code	PatentPak Options
WO2015143161	English	A1	PDF PDF+ Viewer
KR2017004969	Korean	A	PDF
JP2017508816	Japanese	T	PDF
CN106661027	Chinese	A	PDF
US20170174697	English	A1	PDF

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Structure Match

As Drawn (19)

Substructure (16K)

Filter by

- Yield
- Number of Steps
- Experimental Protocols
 - MethodsNow: Synthesis (1,147)**
 - Experimental Procedure (1,399)
- Reaction Type
- Stereochemistry
 - Absolute Stereo Match (1,147)**

Reactions (1,147)

References

Scheme 1 (1 Reaction) View

Absolute stereochemistry shown

Suppliers (46)

Suppliers (95)

Steps: 1
Yield: 88%

Experimental Protocols

MethodsNow™	Experimental Procedure
Products	1-Deoxy-4-O- α -D-glucopyranosyl-1-[(2-mercaptoethyl)amino]-D-glucitol, Yield: 88%
Reactants	Cysteamine hydrochloride Melibiose
Reagents	Sodium hydroxide Sodium cyanoborohydride
Solvents	Water
Procedure	<ol style="list-style-type: none">1. Dissolve 2-aminoethanethiol hydrochloride (125 mg) in water (100 μL) in a screw-capped vial (airtight).2. Adjust the pH to ~7.5 (by adding aqueous NaOH solution).3. Add NaCNBH₃ (40 mg, 0.64 mmol) and a solution of sugar (0.04 mmol) in water (100 μL) to the mixture.4. Heat the reaction mixture at 90 °C with stirring.5. Cool the reaction mixture to room temperature after 1 hour.6. Concentrate the solution in speedvac.7. Extract the obtained solid with absolute ethanol (three times) to remove excess starting material.

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- Take step-by-step instructions directly to the lab

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