

Aminoquinoline Derivatives as HCV Inhibitors

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Title: Aminoquinoline derivatives as HCV inhibitors

Patent/Patent Application Number: WO 2013090929 **Publication date:** Jun 20, 2013

Priority Application: US 2011-576278P **Priority date:** Dec 15, 2011

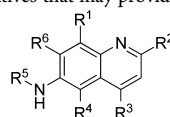
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Assignee Company: Gilead Sciences, Inc., USA

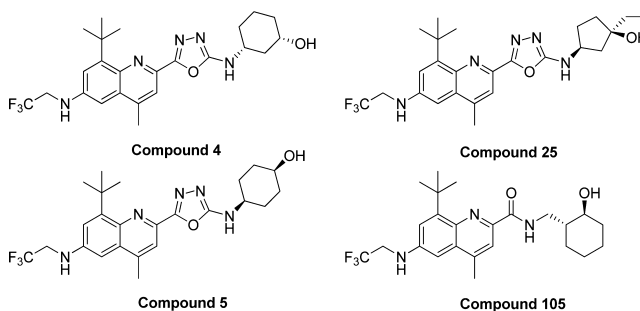
Disease Area: HCV infection **Biological Target:**

Summary: The application claims new aminoquinoline derivatives that may provide a treatment against HCV infections.

Important Compound Classes:



Key Structures:



Biological Assay: The HCV replicon assay was developed using cell line HCV subgenomic RNA derived from GT1a, GT1b, and GT2a.

Pharmacological Data: Over 180 compounds were tested for antiviral activity in HCV replicon assay. The unit for the EC₅₀ is not described.

	HCV replicon assay – GT1a (EC ₅₀)	HCV replicon assay – GT1b (EC ₅₀)	HCV replicon assay – GT2a (EC ₅₀)
Compound 4	0.060	0.076	9.423
Compound 5	0.071	0.221	130.71
Compound 25	0.028	0.064	25.750
Compound 105	0.951	1.306	753.840

Synthesis: Over 180 compounds were prepared.

■ AUTHOR INFORMATION

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Notes

The authors declare no competing financial interest.

Special Issue: HCV Therapies

Received: September 18, 2013

Published: September 24, 2013