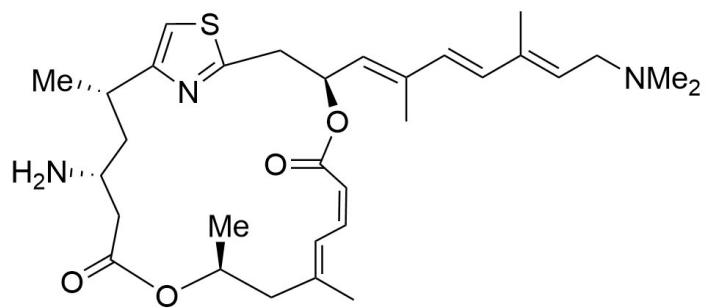
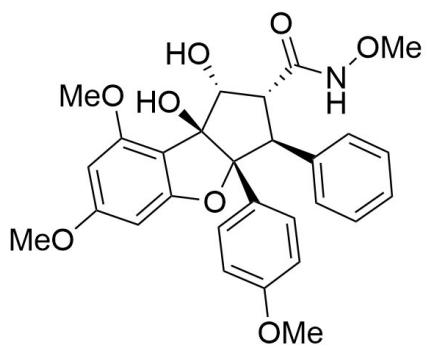


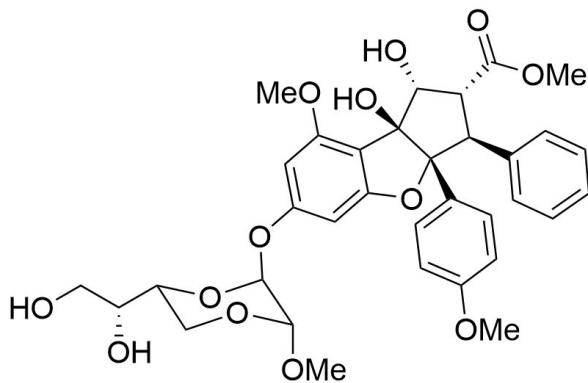
RocA



PatA



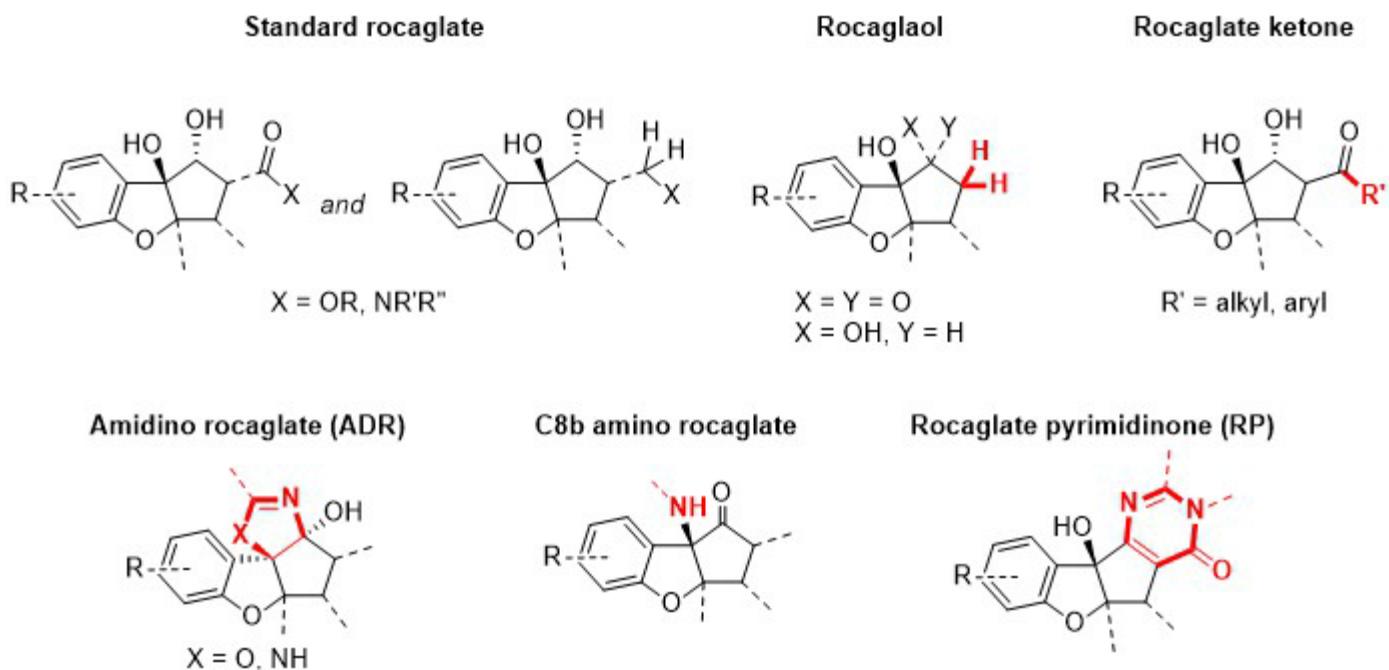
CR-1-31B



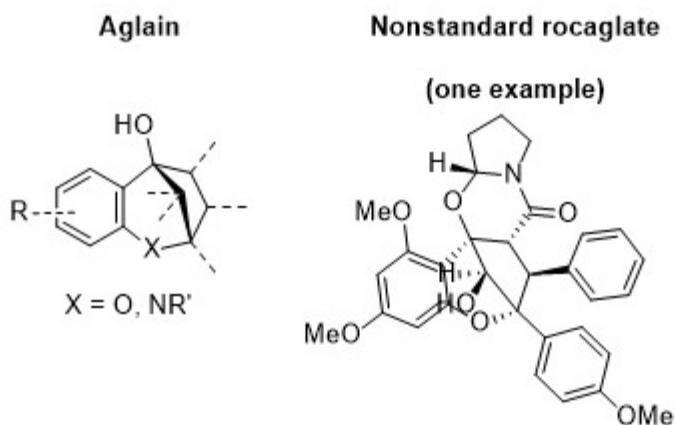
silvestrol

Figure S1. Chemical structure of rotaglates (RocA, CR-1-31B, and silvestrol) and pateamine A used in this study.

Cyclopenta[*b*]benzofurans



Cyclopenta[*b,c*]benzopyrans



Cyclopenta[*b*]indoles

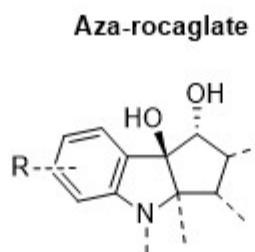


Figure S2. Summary of rocaglate scaffolds and subclasses used in Fig. 2.

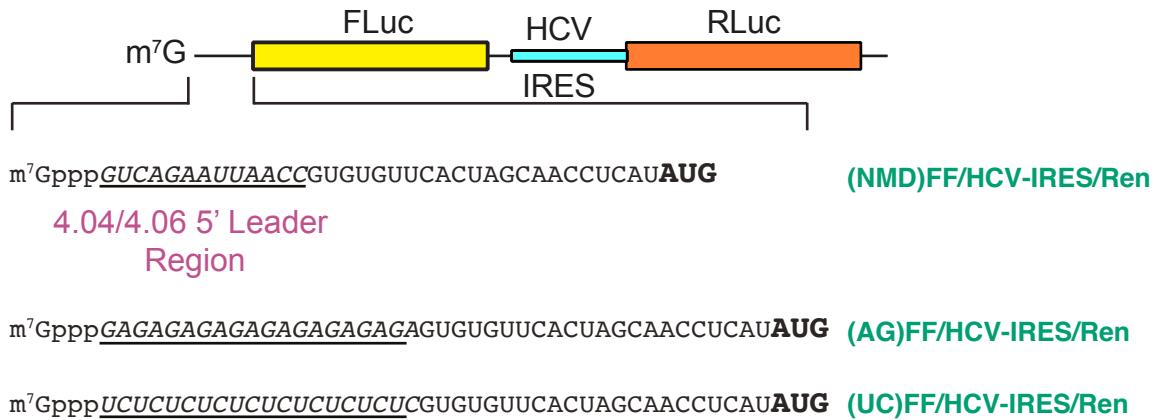
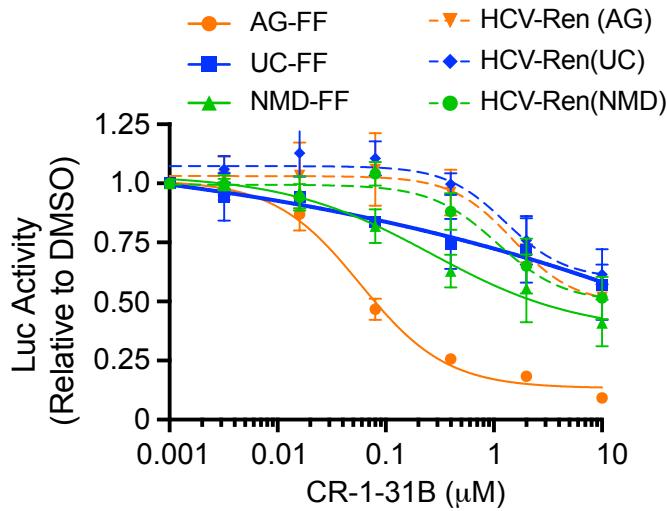
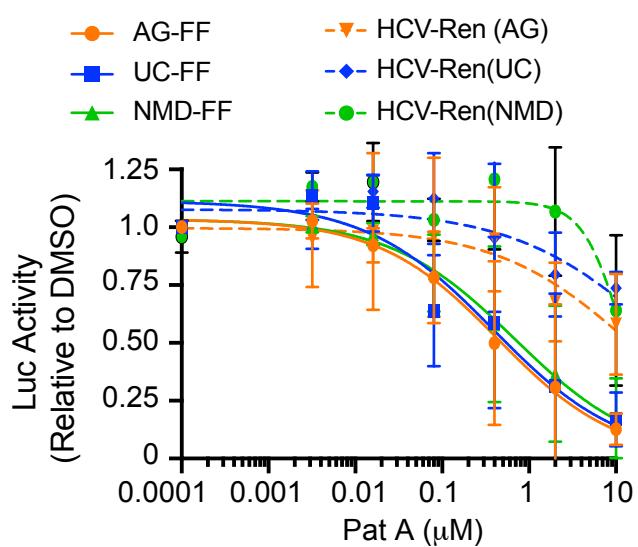
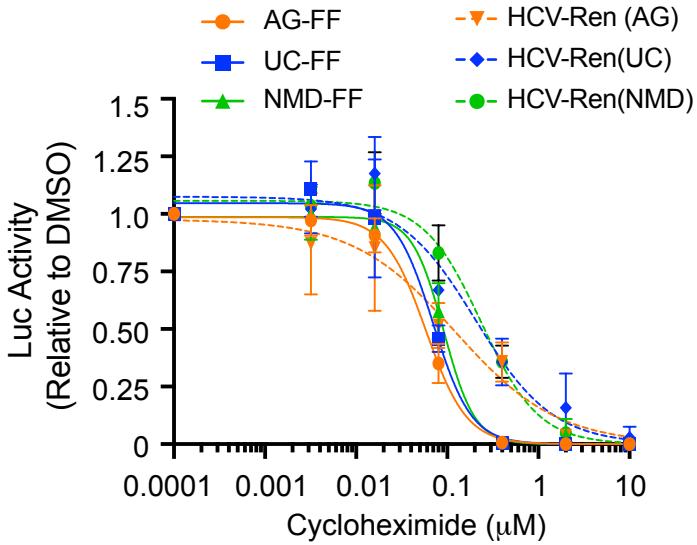
a**b****c****d**

Figure S3. Assessing mRNA sensitivity towards CR-1-31B, PatA, or cycloheximide. **a.** Reporter constructs used to assess rocaglate-responsiveness of the indicated 5' leader regions. The nucleotides underlined in (NMD)FF/HCV-IRES/Ren and labelled "4.04/4.06 5' Leader Region" are the nucleotides comprising the 5' leader region of FF-4.04 and FF-4.06 reporters in Fig. 4. **b-d.** Messenger RNA translational response obtained in Krebs-2 extracts towards CR-1-31B (**b**), PatA (**c**), or cycloheximide (**d**). n = 3 ± SD.