Supplementary Table S1. Full Search Strategies by Database

Efficacy and Safety of Oral Small-Molecule GLP-1 Receptor Agonists in Type 2 Diabetes and Obesity: A Systematic Review with Targeted Meta-analyses of Orforglipron and Danuglipron

Search date: 17 September 2026 (inception to search date, no language restrictions)
PROSPERO registration: CRD420261508176

1. PubMed

Platform: PubMed (NLM)
Results: 79 records

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("orforglipron"[tiab] OR "danuglipron"[tiab] OR "LY3502970"[tiab] OR "PF-06882961"[tiab] OR "oral small-molecule GLP-1"[tiab] OR "non-peptide GLP-1 receptor agonist"[tiab]) AND ("Diabetes Mellitus, Type 2"[Mesh] OR "type 2 diabetes"[tiab] OR "T2D"[tiab] OR "Obesity"[Mesh] OR "obesity"[tiab] OR "overweight"[tiab]) AND ("Randomized Controlled Trial"[pt] OR "randomized"[tiab] OR "randomised"[tiab] OR "RCT"[tiab] OR "phase 2"[tiab] OR "phase 3"[tiab] OR "clinical trial"[pt])
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2. Embase

Platform: Embase.com
Results: 149 records

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('orforglipron'/exp OR 'danuglipron'/exp OR orforglipron:ti,ab OR danuglipron:ti,ab OR 'LY3502970':ti,ab OR 'PF-06882961':ti,ab OR 'oral small-molecule glp-1':ti,ab OR 'non-peptide glp-1 receptor agonist':ti,ab) AND ('non insulin dependent diabetes mellitus'/exp OR 'type 2 diabetes':ti,ab OR 't2d':ti,ab OR 'obesity'/exp OR obesity:ti,ab OR overweight:ti,ab) AND ('randomized controlled trial'/exp OR randomized:ti,ab OR randomised:ti,ab OR rct:ti,ab OR 'phase 2':ti,ab OR 'phase 3 clinical trial'/exp)
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3. Web of Science (Core Collection — Science Citation Index Expanded)

Platform: Web of Science / Clarivate
Results: 127 records

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(orforglipron OR danuglipron OR "LY3502970" OR "PF-06882961" OR "oral small-molecule GLP-1" OR "non-peptide GLP-1 receptor agonist") AND ("type 2 diabetes" OR "T2D" OR obesity OR overweight) AND (randomized OR randomised OR RCT OR "phase 2" OR "phase 3")
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4. Cochrane Central Register of Controlled Trials (CENTRAL)

Platform: Cochrane Library
Results: 150 records

```
orforglipron OR danuglipron OR LY3502970 OR "PF-06882961" OR "oral small-molecule GLP-1"
```

Note: the CENTRAL search was restricted to drug-name terms only, without an additional population/disease filter or a randomized-trial filter. This reflects (a) a platform-specific syntax constraint encountered with combined field-tagged Boolean queries on the Cochrane Library interface, which returned zero results when population terms and field tags were combined, and (b) the fact that CENTRAL indexes only controlled trials by design, making an explicit RCT filter redundant. Population/disease relevance (type 2 diabetes and/or obesity) was applied during title/abstract screening rather than at the database query level for this source. This is declared as a source-specific methodological limitation.

Additional sources

ClinicalTrials.gov and citation/reference-list searching were additional sources. ACHIEVE-4 (NCT05803421), available as sponsor-reported topline results before the search cutoff, is included as an eligible non-pooled trial (main manuscript Section 3.1 and reference [32]). This correction to trial disposition does not change the historical database query strings or database record counts above.