

# PharmaBridge Insights Report

Generated on: 2025-12-16 13:53:22

## Query

I want to explore repurposing sildenafil for neuropathic pain. Give me a complete analysis including: - Market opportunity for neuropathic pain - Patent landscape for sildenafil - Current clinical trials for sildenafil - Any internal research we have on sildenafil

## Data Sources

Publications: pubmed\_api  
Clinical Trials: clinicaltrials\_gov\_api  
Patents: mock  
Market (IQVIA): mock  
Internal Knowledge: local\_internal\_docs  
Web Intelligence: mock  
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## Publications

In vitro and computational evaluation of the erectogenic and anti-diabetic potential of ethanol extract of *Hymenodictyon pachyantha* stem bark — In silico pharmacology (2026)  
Mechanistic study of PDE5A inhibitors from the prepared folium of *Epimedium sagittatum* maxim — Journal of structural biology (2025)  
Persistent Pulmonary Hypertension in Corrected Congenital Left Circumflex Artery to Coronary Sinus Fistula: A Case Report and Literature Review — Case reports in cardiology (2025)  
Cerebral, Muscle and Blood Oxygenation in Patients with Pulmonary Vascular Disease Whilst Breathing Normobaric Hypoxia vs. Normoxia Before and After Sildenafil: Data from a Randomised Controlled Trial — Journal of clinical medicine (2025)  
Upfront combination therapy with sildenafil and ambrisentan in patients with chronic thromboembolic pulmonary hypertension — Jornal brasileiro de pneumologia : publicacao oficial da Sociedade Brasileira de Pneumologia e Tisiologia (2025)

## Clinical Trials

NCT02519153 — Phosphodiesterase 5 Inhibitors (PDE5i) (Sildenafil) as Medical Expulsive Therapy in Distal Ureteral Stones [PHASE4] (UNKNOWN)  
NCT00964782 — The Effects of Sildenafil on Exercise Function and Capacity in Patients With Fontan Circulation [PHASE4] (COMPLETED)  
NCT01801982 — A Non-Interventional Follow Up Study For Subjects Who Received Sildenafil for Persistent Pulmonary Hypertension of the Newborn (PPHN) [N/A] (COMPLETED)  
NCT01954524 — A Phase 1, Open-Label Study of Intravenous Sildenafil in Patients With Cirrhosis [PHASE1] (TERMINATED)  
NCT01063855 — Concomitant Use of PriLigy in Men Treated for Erectile Dysfunction [PHASE 3] (COMPLETED)

## Patents

US0000000 — Placeholder: Sildenafil composition and use (demo dataset) (exp: N/A)

## Market Insights (IQVIA)

Therapy Area: Neuropathic Pain / Erectile Dysfunction / PAH (demo)  
CAGR: None%

Market Size: \${}M

## Internal Knowledge

- pde5\_pain\_briefing.md: # PDE5 inhibitors in pain indications (demo) This briefing captures a lightweight view of PDE5 inhib
- sildenafil\_repurposing\_memo.md: # Sildenafil repurposing notes (demo) This internal note summarizes hypotheses for sildenafil repurp

## Web Intelligence

- ClinicalTrials.gov Search: Use this link to validate live trial activity during demo.
- PubMed Search: Use this link to validate live publications during demo.