

## Discovery Report

Patent: EVE-PAT-2026-001 | Organiq Sweden AB

## 1 · DISCOVERY

QUERY	Auto-scan: Signaling by ERBB4
COMPOUND	BENZETHONIUM
DISCOVERY SCORE	1221.995
ENGINE	DISCOVERY_v1.1
CORPUS VERSION	current
GENERATED	2026-05-20T02:00:00.383Z

## 2 · EVIDENCE

TARGETS	ESR1, DRD3, KCNH2, DRD2, NR1I2, CYP2D6, SYK, CHRM1, PGR, ADRA1A
PATHWAYS	Signaling by ERBB4, Nuclear signaling by ERBB4, PIP3 activates AKT signaling, Developmental Biology, Signal Transduction, Disease, Negative regulation of the PI3K/AKT network, Generic Transcription Pathway
EVIDENCE SCORE	38.10
STUDIES	96

## X-VAULT EVIDENCE SEAL

SYSTEM	BiohacksAI   XVAULT_v1
DISCOVERY ID	DISC-benzethonium-20260520-eb257a73
EVENT HASH	03368dbee7f6051c...153a1e12
CHAIN HASH	11f9b0ee3e1965fc...2b9b1f38
PREV HASH	66a6987da3cf7310...0cc53e6f
CORPUS VERSION	current
CORPUS ROOT	NOT_AVAILABLE...AVAILABLE
VAULT INDEX	3082
SEALED AT (UTC)	2026-05-20T02:00:00.414Z

## · VERIFICATION

This document is cryptographically sealed by the BiohacksAI X-Vault Evidence Engine. The discovery payload hash and corpus Merkle root can be independently verified.

Verify at: [eveverified.com/verify](https://eveverified.com/verify)

Verification fingerprint: 03368dbee7f6051c...153a1e12

