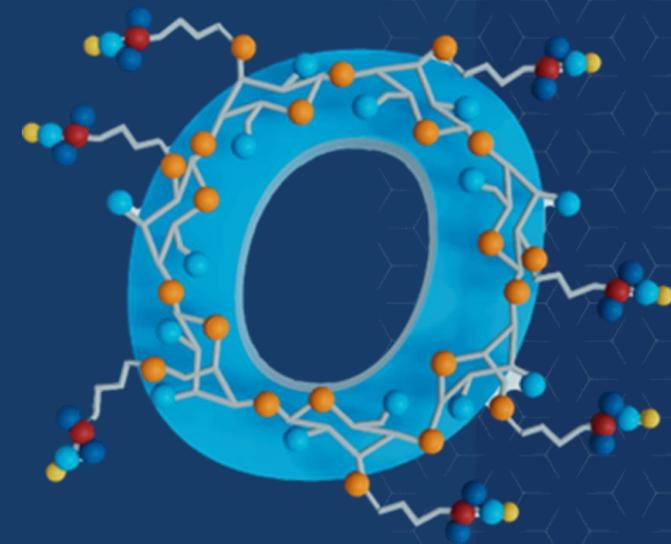


LIGAND

Biopharma's Technology
and Capital Partner

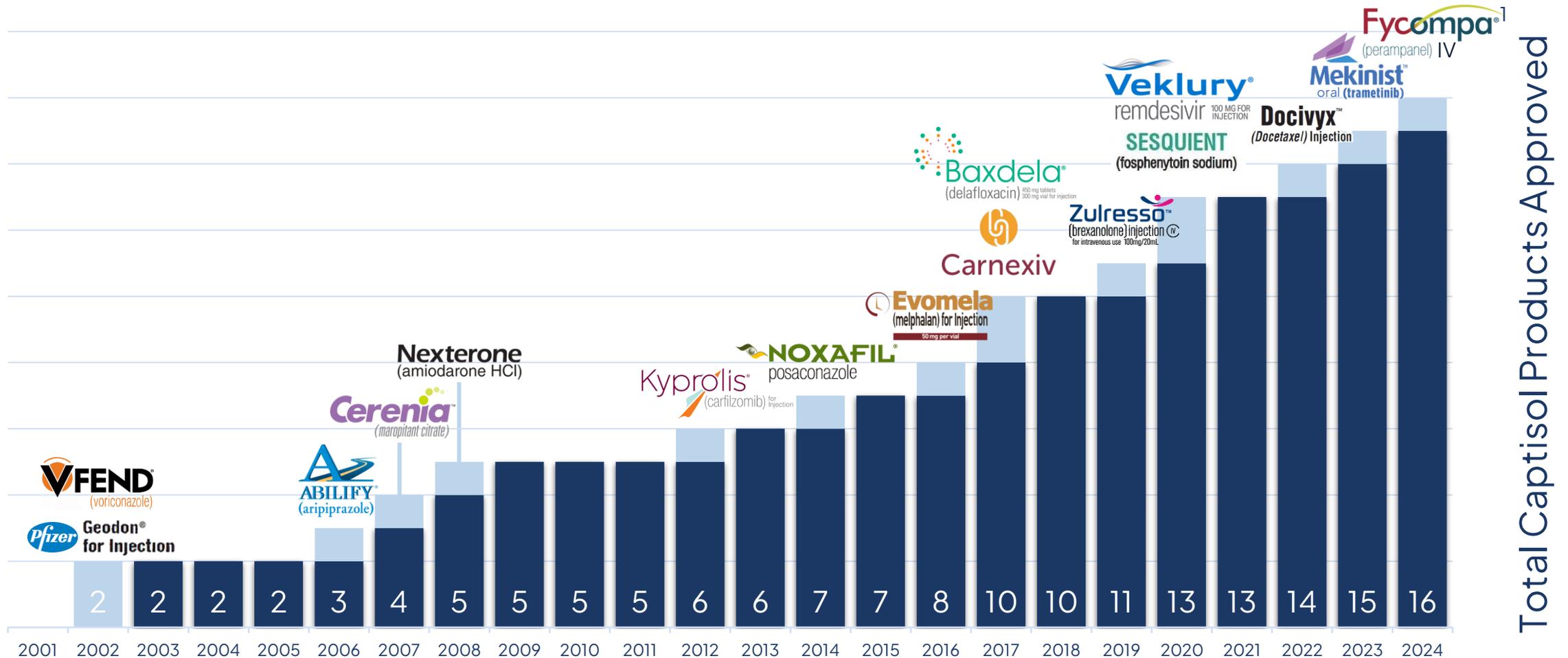


March 2025

Introduction to Captisol[®]

The Industry-Leading Sulfobutylether β -Cyclodextrin

Captisol[®] Used in 15 FDA-Approved Products



Total Captisol Products Approved

1. Approved in Japan

A Proven Solubility & Stability Solution for Drug Formulation

Captisol[®] is a proprietary sulfobutylether β -cyclodextrin

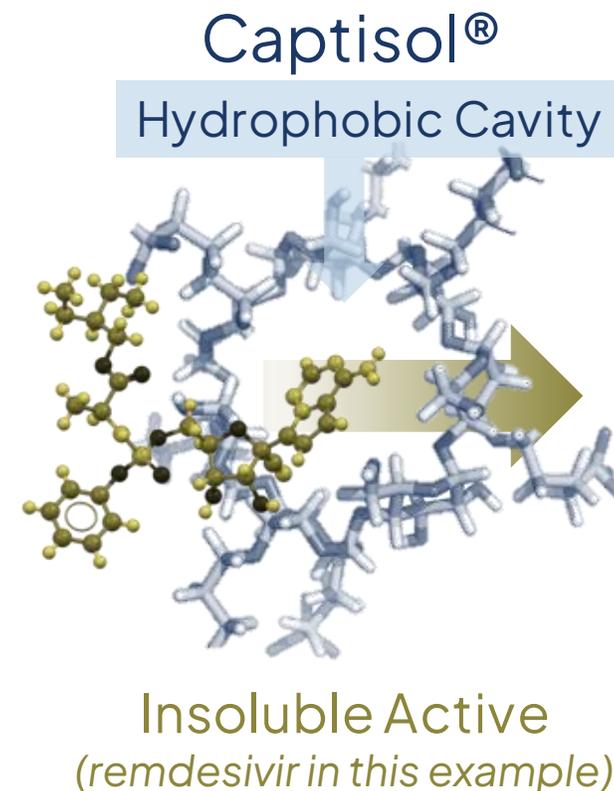
- Hydrophobic central cavity allows host-guest complexation with poorly soluble active pharmaceutical ingredients
- Hydrophilic outer surface increase solubility of complex
- Complexes form readily in solution – no new processes required

Captisol[®] is flexible tool in the formulation toolbox



Captisol[®] helps investigational drugs reach the market

- 20+ year drug master file (DMF) to reference in regulatory filings
- Produced under GMP regulations at large scale, with multi-layered protections against supply disruptions



Beyond Material, Ligand Offers Comprehensive Support

