

# Salt Screening.

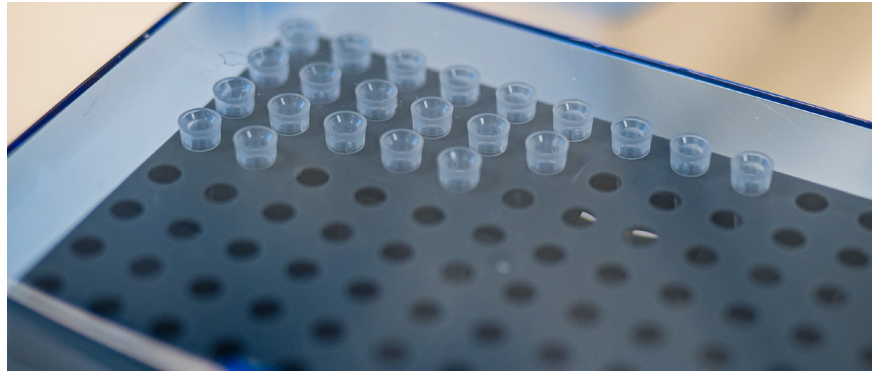
Enhancing pharmaceutical profiles through strategic salt screening

## Executive Summary

Salt screening plays a pivotal role in the development of pharmaceuticals, offering significant improvements in solubility, stability, and bioavailability. Magle Chemoswed's comprehensive salt screening services accelerate drug development and ensure market success.

## Introduction

Salt formation is a strategic approach to modify the physical and chemical properties of APIs, addressing challenges such as poor solubility and instability. Magle Chemoswed's salt screening process is integral to pharmaceutical innovation, providing significant benefits in drug formulation and patent strategy.



## Importance of Salt Screening

- **Improved Solubility and Dissolution Rates:** Our expertise enhances API solubility, impacting absorption and bioavailability.
- **Enhanced Stability:** We identify salt forms that provide superior thermal and hydrolytic stability.
- **Tunable Pharmacokinetics:** Our salt forms can alter the ADME profile of drugs.
- **Regulatory and Patent Advantages:** We offer opportunities for patent extensions and facilitate easier regulatory approvals.

## Conclusion

Salt screening is a critical process in pharmaceutical development, offering substantial improvements in drug properties and competitive market positioning. Magle Chemoswed's expertise in salt screening makes us an ideal partner for pharmaceutical companies seeking to overcome formulation challenges and achieve market success.

## Salt Screening Methodologies at Magle Chemoswed

- **High-Throughput Screening:** Our efficient techniques identify promising salt candidates using minimal API quantities.
- **Thermal Analysis Techniques:** We use DSC and TGA to evaluate the stability of different salt forms.
- **Solubility Assessment:** We determine the solubility profile across various conditions, guiding the selection of the optimal salt form.
- **Solid-State Characterization:** Our XRPD and Solid-State NMR methods ensure the purity and reproducibility of salt crystals.

