

NiCHE Case Study



1,2-benzenedithiol derivative

Problem:

NiCHE was approached by an agrochemical customer looking to source the target material in 1kg quantities. Inherently unstable and extremely difficult and dangerous to work with, previous suppliers had offered the customer the product as an 'acidic paste' that was unsuitable for its process.

NiCHE Solution:

NiCHE Materials identified a partner that developed a safe, multi-stage process producing the correct high-purity regioisomer as a granular, ready-to-use material. Additionally, the partner had an appropriate packaging solution to prevent degradation and/or polymerisation of the thiol during transit.

Long-term Outcome:

Samples are currently undergoing trials in the manufacturing process, with a view to annual requirements being hundreds of kilograms once testing is complete and regulatory approval gained. NiCHE Materials is the only company in a position to supply the material as a free-flowing powder.

