

Can I use benzene as a mobile phase solvent in HPLC – FAQ

Benzene can be used as an HPLC solvent... in theory.

It is compatible with standard HPLC instrumentation and will not damage an HPLC column. However, **we would not recommend** using this solvent for two main reasons. First, it is strongly UV-absorbing so would not be suitable for UV-based detection methods. Second, it is a known carcinogen and therefore less safe than many other solvents which are available. If you need something with similar properties, we would suggest toluene. It is often used as a benzene substitute and is less toxic.

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