

# Introduction

The 1inch spot price aggregator is a set of smart contracts that extract price data for tokens traded on DEXes from the blockchain. To avoid price manipulations within a transaction, the spot price aggregator should **ONLY** be used off-chain. **DO NOT** use it on-chain. For off-chain usage see [Examples](#) section below.

## Wrappers

To handle wrapped tokens, such as wETH, cDAI, aDAI etc., the 1inch spot price aggregator uses custom wrapper smart contracts that wrap/unwrap tokens at the current wrapping exchange rate.

## Connectors

If no direct liquidity pair exists between two tokens, the spot price aggregator calculates rates for those coins using another token that has pairs with both of them – a connector token.

## Supported Deployments

## Ethereum Mainnet

**Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8**

[Supported DEXes \\* Chainlink -0x8606321723D9cA7db708A8b12DA0d0A8a83f2B3Db3D](#) \* KyberMM  
-[0xE2d0e58302d03F703BD3c5EC2899F4e1af65E18c](#) \* Mooniswap -[0x5F6a6428756CfAF96584286Ef97411621196f3A](#) \*

Synthetix -[0xb7EF687B322910f3315F91f9F4B9b4B77219ddb4](#) \* Uniswap  
-[0xAAdF7CC69626eB6F03F4F613832C84Cf62586A6Bb](#) \* Equalizer  
-[0xEB4383DA9FCe0Ea0acB59A185A73D48dC089c73F](#) \* ShibaSwap  
[0x0fE8bd9CB73ADC66561330B648a8fc62b4F58943](#) \* SushiSwap -[0x2A45d538f460DDBEeA3a899b0674dA3DFE318faa](#)

\* UniswapV2 -[0xA21E47477DE9BbcDC962ee18a5E7D339c5a16D28](#) \* UniswapV3  
-[0xE85B42805e046D1933EB8e1C543C4da4E5e8fFa3](#) \* Curve -[0x7eE5d607597598e9d642b264b7Ac2703b92Ac9B](#) \*  
Pancake 3 -[0xB4039b37d09772801a51764537c167445f52F48b](#) \* Dodo  
-[0x0A7c4d89e1629f189Eb12dd716B178d1b90D9f66](#) \* DodoV2 -[0x03aA019F3B78110e030c34e9fA98047A1f62859A](#)

Supported wrappers \* WETH -[0x2b36053EB3BC1D68f51Bb7916D1503D15563ffc](#) \* AaveV1  
-[0x8C00a411Fe8983525F82CFCE34fe4B092d9E525d](#) \* AaveV2 -[0x06c74503B6d1eB6D4d6Bc402f48fC07b804105f](#) \*  
AaveV3 -[0x0c8fc7a71C28c768FDc1f7d75835229beBEB1573](#) \* Compound  
-[0x7C327E1Ee66d4cf7F4053387241351FDc95A0c04](#) \* CompoundV3  
-[0xd24222B521337DABE4f1e56d351818fbf26905eD](#) \* YVault -[0x9FF110f132d988bfa9bC6a21851Da1aF3aC6EaF8](#) \*

stETH -[0x26dacF7E879b18FE658326ddD3ABC0D6910B3E9F](#) \* wstETH  
-[0x37eB78fE793E89353e46AE73E299985C3B8d334](#) \* sDAI -[0xF07317368A4B061dadB8C8239cbfcd4808B76ce](#) \* CHAI  
-[0x6fE4926a0fCc78ab764b39f2738e1Dea145d7AC0](#) Supported connectors \* ETH  
-[0x00](#) \* WETH -[0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2](#) \*

USDC -[0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48](#) \* DAI -[0x6B175474E89094C44Da98b954EedeAC495271d0F](#)  
\* USDT -[0xdAC17F958D2ee523a2206206994597C13D831ec7](#) \* NONE -[0xFFfFfFffFFfffFFFfFfFfFffffFfFfFfFfFfFfFfFfFf](#) \*

WBTC -[0x2260FAC5E5542a773AA44FBcfdD7C193bc2C599](#) \* 3CRV  
-[0x6c3F90f043a72FA612cbac8115EE7e52BDe6E490](#) Prev oracle versions (legacy) \* May-28-2021  
-[0x07D91f5fb9Bf7798734C3f606dB065549F6893bb](#) \* Apr-07-2023 -[0x3E1Fe1Bd5a5560972bFa2D393b9aC18aF279fF56](#) \*

Jul-13-2023 -[0x52cbE0f49CcdD4Ddc6E9C13BAAb024EABD2842045B](#)

## Binance Smart Chain

**Oracle**0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Supported DEXes \* ApeSwap [-0xeD55d76Bb48E042a177d1E21AffBe1B72d0c7dB0](#) \* BakerySwap  
[-0x82b6B75F5fEabbfD370D45daCEFAe3D5c06099DA](#) \* BSCswap [-0xD4eFb5998DFBDFB791182fb610D0061136E9DB50](#)  
 \* Demax [-0x7bdc6954e1c7869B4147A320d589689F628E9921](#) \* KyberDMM  
[-0xE2d0e58302d03F703BD3c5EC2899F4e1af65E18c](#) \* Mooniswap [-0x5F6a6428756CfAF96584286Ef9f7411621196f3A](#) \*  
 Pancake 1 [-0x1b947aF8b3dd6aa96F8726cd92c894D0Ba6367a3](#) \* Pancake 2  
[-0xB9fa95a38D50c5Bad1eA2b4E85e106Fe886cCb3A](#) \* Pancake 3 [-0xB4039b37d09772801a51764537c167445f52F48b](#) \*  
 Thugswap [-0x7bBc0156c31A19097eEd6B636AA2F4AB8A31BFD9](#) Supported wrappers \* Venus  
[-0x11DEE30E710B8d4a8630392781Cc3c0046365d4c](#) \* WBNB [-0x54431918cec22932f97e54769f4e00f646690f](#)  
 Supported connectors \* NONE [-0xFFfFfFfffFffFfffFfffFfffFfffFfffFfffFfffF](#) \* WBNB

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**xDai**

## Fantom

## Aurora

## Klaytn

**Oracle**[0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8](#)

Supported DEXes \* KlaySwap -[0xf023D71EfB08339EA28F0C186AE130c74D44C58c](#) \* ClaimSwap  
-[0xFdCB8fA524f84081988e6065Fc8EF060f2CF0C27](#) Supported wrappers \* WKLAY  
-[0xD9Cc0A957cAC93135596f98c20Fbac8Bf515909](#) \* Klapp -[0x4dFa40FDAA7694676899f8887A45603922609AF4](#)  
Supported connectors \* NONE -[0xFFfFfFffFFffFFFfFfFfFFFFfFfff](#) \* KLAY  
-[0x00](#) \* WKLAY -[0xe4f05A66Ec68B54A58B17c22107b02e0232cC817](#) Prev  
oracle versions (legacy) \* Aug-02-2022 -[0x138CE40d675F9a23E4D6127A8600308Cf7A93381](#) \* Apr-06-2023  
-[0x89314d57A8A4E636A00922ac289BC3a9a69C4361](#) \* Jul-13-2023  
-[0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B](#)

# zkSync

Oracle 0xc9bB6e4FF7dEEa48e045CEd9C0ce016c7CFbD500

Supported DEXes \* MuteSwitch -[0xEOC1daF04Ca9f65c45bF67E87F6135cf51ba5D1](#) \* Syncswap  
-[0x226b15358e2DF022ada190fc3Ac4a32ea26C18c8](#)  
Supported wrappers \* WETH  
-[0x2D9E7B597b53D98C60A0904DEE7d838042Db9A25](#)  
Supported connectors \* ETH  
-[0x00](#) \* NONE -[0xFFfFiFfffFFFFffFffiFffffFFFFFFffffffFiFFFfiF](#) \* WETH  
-[0x5AEa5775959fBC2557Cc8789bc1bf90A239D9a91](#) \* USDC -[0x3355df6D4c9C303572Fd0e3914dE96A5a83aaaf4](#) Prev  
oracle versions (legacy) \* Mar-28-2023 -[0x1ec0a5F6dc07E93491426d5aAAc3E2BC505Ef41C](#) \* Jun-05-2023  
-[0xEE053a8333B7F804bE050B3D73289C6dbbEB2BFd](#) \* Jul-12-2023  
-[0xC762d56614D3411eC6fABD56cb075D904b801613](#)

## Base

**Oracle**0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

[illegible]

## Examples

- [Single token-to-ETH price usage](#)
- [Multiple token-to-ETH prices usage](#) [Edit this page](#) [Previous](#) [Liquidity Source and API](#) [Next](#) [Examples](#)