

# 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

Oracle [0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8](#)

Supported DEXes \* Chainlink [-0x8606321723D9cA7db708A8b12DAd0A8a83f2F3bD](#) \* KyberDMM [-0xE2d0e58302d03F703BD3c5EC2899F4e1af65E18c](#) \* Mooniswap [-0x5F6a6428756CfAF96584286Ef9f7411621196f3A](#) \* Synthetix [-0xb7EF687B322910f3315F91f9F4B9b4B77219ddb4](#) \* Uniswap [-0xAdF7CC69626eB6F03F4F613832C84Cf62586A6Bb](#) \* Equalizer [-0xEBA383DA9FCe0Ea0acB59A185A73D48dC089c73F](#) \* ShibaSwap [-0x0fE8bD9CB73ADC66561330B648a8fC62b4F58943](#) \* SushiSwap [-0x2A45d538f460DDBEeA3a899b0674dA3DFE318faa](#) \* UniswapV2 [-0xA21E47477DE9BbcDC962ee18a5E7D339c5a16D28](#) \* UniswapV3 [-0xE85B42805e046D1933EB8e1C543C4da4E5e8fFa3](#) \* Curve [-0x7eE5d607597598e9d642b264b7Ac2703b92Acf9B](#) \* Pancake 3 [-0xB4039b37d09772801a51764537c167445f52F48b](#) \* Dodo [-0x0A7c4d89e1629f189Eb12dd716B178d1b90D9f66](#) \* DodoV2 [-0x03aA019F3B78110e030c34e9fA98047A1f62859A](#)  
Supported wrappers \* WETH [-0x2b36053EB3BC1D68f51Bb7916D1503D1556f3ffc](#) \* AaveV1 [-0x8C00a411Fe8983525F82CFCe34fe4B092d9E525d](#) \* AaveV2 [-0x06cC74503B6d1eB6D4d6Bc402f48fC07b804105f](#) \* AaveV3 [-0x0c8fc7a71C28c768FDC1f7d75835229beBEB1573](#) \* Compound [-0x7C327E1Ee66d4cF7F4053387241351FDc95A0c04](#) \* CompoundV3 [-0xd24222B521337DABE4f1e56d351818fbf26905eD](#) \* YVault [-0x9FF110f132d988bfa9bC6a21851Da1aF3aC6EaF8](#) \* stETH [-0x26daCf7E879b18FE658326ddD3ABC0D6910B3E9F](#) \* wstETH [-0x37eB78fE793E89353e46AE73E299985C3B8d334](#) \* sDAI [-0xF07317368A4B061dadB8C8239cbfCfd4808B76ce](#) \* CHAI [-0x6fE4926a0fCc78ab764b39f2738e1Dea145d7AC0](#)  
Supported connectors \* ETH [-0x00](#) \* WETH [-0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2](#) \* USDC [-0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48](#) \* DAI [-0x6B175474E89094C44Da98b954EedeAC495271d0F](#) \* USDT [-0xdAC17F958D2ee523a2206206994597C13D831ec7](#) \* NONE [-0xFFfFfFffFfFfFfFfFfFfFfFfFfFfFfFfFf](#) \* WBTC [-0x2260FAC5E5542a773Aa44fBCfEd7fC193bc2C599](#) \* 3CRV [-0x6c3F90f043a72FA612cbac8115EE7e52BDe6E490](#)  
Prev oracle versions (legacy) \* May-28-2021 [-0x07D91f5fb9Bf7798734C3f606dB065549F6893bb](#) \* Apr-07-2023 [-0x3E1Fe1Bd5a5560972bFa2D393b9aC18aF279fF56](#) \* Jul-13-2023 [-0x52cbE0f49CcdD4Dc6E9C13BAb024EABD2842045B](#)

### 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](#) \* UniswapV2 [-0x4C5B9573dE7660c097F1a21050038378CD691066](#)  
Supported wrappers \* Venus [-0x11DEE30E710B8d4a8630392781Cc3c0046365d4c](#) \* WBNB [-0x54431918cec22932fcf97e54769f4e00f646690f](#)

Oracle0x0AdDd25a91563696D8567Df78D5A01C9a991F9B8

Supported DEXes \* Trisolaris -[0xd4EfB5998DFBDFB791182fb610D0061136E9DB50](#) \* WannaSwap  
-[0x7bdcc6954e1c7869B4147A320d589689F628E9921](#) \* NearPAD -[0x3E1Fe1Bd5a5560972bFa2D393b9aC18aF279fF56](#)  
AuroraSwap -[0xd8C7661C2baAE9732613C15780f9fBBDD55d8bf9c](#) \* Dodo  
[0x0A7c4d89e1629f189Eb12dd716B178d1b90D9f66](#) \* DodoV2 -[0x03aA019F3B78110e030c34e9fa98047A1f62859A](#)  
Supported wrappers \* WETH -[0x750c1b699552caF908D67F5cCFd20A261305328c](#) \* Aurigami  
-[0xc197Ab9d47206Adf739a47AC75D0833fD2b0f87F](#) \* Bastion -[0xCC54299Fc291B261B2bF5552E7F0E5d2F8613E8C](#)  
Supported connectors \* NONE -[0xFFfFfFffFFfffFFFfFfFfFFFFefffFFFFFFf](#) \* ETH  
[0x00](#) \* WETH -[0xC9BdeEd33CD01541e1eeD10f90519d2C06Fe3feB](#)  
NEAR -[0XC42C30ac6Cc15faC9bD938618BcaA1a1FaE8501d](#) Prev oracle versions (legacy) \* May-26-2022  
[0xE4E0552452e5cC1306A2bF5B2Fd9b1eA19418795](#) \* Mar-31-2023  
[0xeD55d76B48E042a177d1E21AffBe1B72d0c7dB0](#) \* Jul-13-2023

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  - [Multiple token-to-ETH prices usage](#)
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